Kufundza ngeMtsetfo Sisekelo weNingizimu Afrika (1996)

UMtsetfo-sisekelo waseNingizimu Afrika (1996) ucuketse imitsetfo lesetulu yelive. Lemitsetfo ingetulu ngisho kwamengameli welive, tinkantolo kanye nahulumende.

Ichaza kutsi bantfu belive kumele baphatsane njani, nekutsi ayini emalungelo abo kanye nemitfwalo labanayo ngalabanye. UMtsetfo Sisekelo welive ukhonela kusivikela sonkhe nyalo kanye nebantfwabetfu ngakusasa.

Kufute sati ngelimuva letfu.	Asingawaphindzi emaphutsa ayitolo.	uMtsetfo Sisekelo usisita kutsi sicabange futsi sakhe likusasa lelihle lakhe wonkhe umuntfu.

Tsine, bantfu baseNingizimu Afrika;

Siyakubona kungabi khona kwebulungiswa esikhatsini lesengcile;

Setfulela sigcoko labo labahlukunyetwa kuze sitfole bulungiswa nenkhululeko eveni letfu;

Sihlonipha labo labasebentile kwakha nekutfutfukisa live letfu;

Siyakholwa futsi kutsi iNingizimu Afrika yabo bonkhe labahlala kuyo, sihlangene ngekwehlukahlukana kwetfu.

Ngaloko-ke, ngetitfunywa lesitikhetsele tona ngenkhululeko, siyawemukela loMtsetfo-sisekelo njengemtsetfo lophakeme kunayo yonkhe eRiphabhulikhi kuze—

- Kupheliswe kwehlukana kwayitolo futsi kwakhiwe umphakatsi losekelwe yintsandvo yelinyenti, bulungiswa ekuphileni kanye nemalungelo-sisekelo ebuntfu;
- Kubekwe sisekelo semphakatsi wentsandvo yelinyenti, longenamfihlo lapho khona hulumende abekwe ngetifiso tebantfu futsi sonkhe sakhamuti ngalokulinganako sivikelwe ngumtsetfo;
- Kwentiwe ncono lizinga lemphilo yetakhamuti tonkhe futsi kukhululwe emakhono emuntfu ngamunye; futsi
- Kwakhiwe iNingizimu Afrika lehlangene futsi yentsandvo yelinyenti lekwati kutsatsa indzawo yayo leyiyifanele njengelive lelitibusako njengawo onkhe emave latibusako.

Tsatsa lilungelo lakho njengemuntfu waseNingizimu Afrika bese utsatsa sigaba sakho kuvikela emalungelo alabanye.	Wati uMtsetfo Hlongotwako wemalungelo akho kanye neMtsetfo Hlongotwako weMtfwalo lobhekene nemuntfu.

Nkulunkulu akabusise bantfu bakitsi
Nkosi Sikelel' i-Afrika. Morena boloka setjhaba sa heso.
God seën Suid-Afrika. God bless South Africa.
Mudzimu fhatutshedza Afurika. Hosi katekisa Afrika.

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Nkhskt. Angie Motshekga,
iNdvuna yeMfundvo
yeSisekelo



Dkt Reginah Mhaule
Liphini leNdvuna yeMfundvo
yeSisekelo

Letincwadzi tekusebentela tikhicitelwe bantfwana baseNingizimu Afrika ngekuholwa yiNdvuna yeTemfundvo Sisekelo, Nkhskt Angie Motshekga akanye neLiphini lakhe, Dkt Reginah Mhaule.

LeTincwadzi Tekusebentela takaRainbow tiyincenye yemitamo yaleLitiko leTemfundvo yeSisekelo yekutfutfukisa bafundzi baseNingizimu Afrika emabangeni ekucala lasitfupha ekufundza. Njengalomunye wemigomo lehamba embili eLuhlelweni lweKusebenta lwaHulumende, lomsebenti ukhokhelwe ngesihle Silulu seTimali saVelonkhe. Ngenca yalokusekelwa ngetimali, leLitiko leTemfundvo liphumelele kwakha letincwadzi ngato tonkhe letilwimi letisemtsetfweni kulelive.

Siyetsemba kutsi bothishela batatitfola tilusito kakhulu letincwadzi tekusebentela basafundzisa malanga onkhe kute bafundzi bakhone kucedza luhlelo lwabo lwekufundza. Setame, ngekucophelela lokukhulu, kusita thishela kuleyo naleyo ncenye yemsebenti, ngekusebentisa timphawu letitifombe kukhombisa umfundzi loko lokumele akwente.

Siyetsemba bantfwana nabo batakujabulela kusebentisa letincwadzi basachubeka nekukhula nekufundza; nekutsi bothishela batawutfokota kanye nabo.

Sifisela bothishela nebafundzi imphumelelo basachubeka nekusebentisa letincwadzi tekusebentela.

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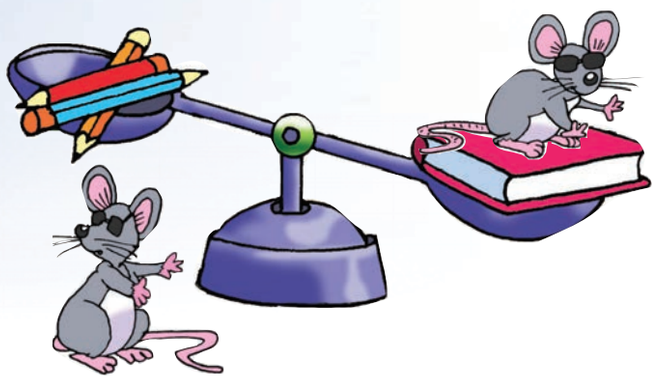
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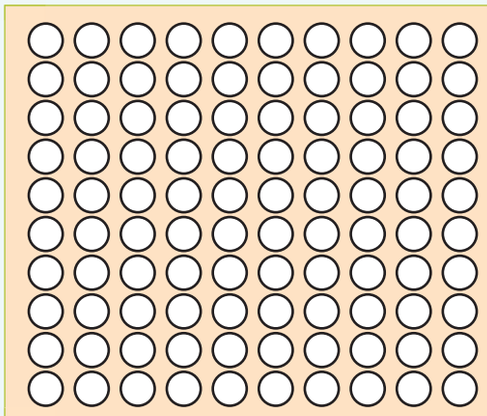
2

65

Lusuku:

Tinombolo 50 – 99

Faka umbala etindilingeni letingu 58.



5 0

8

Bhala imphendvulo. Sibonelo sekucala sitakusita.

6 0 8 60 + 8 = 68 =	8 0 6 =	5 0 3 =
7 0 1 =	9 0 5 =	6 0 9 =

Bhala timphendvulo takho taloku lokungetulu ngemagama:

emashumi lasitfupha-nesiphohlongo

1 2 3 4 5 6 7 8 9 10

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4 Niketa tinombolo tibe timbili letingephasana natimbili letingetulu kwalenombolo leniketiwe.

Ngephasi		Inombolo	Ngetulu	
		55		
		63		
		88		
		95		
		71		

5 Cedzela lemigca-nombolo.

80 81 82 ☐ ☐ ☐ 86 87 ☐ 89 90

60 59 58 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 50

67 68 69 ☐ ☐ ☐ 73 74 ☐ ☐ 77

6 Sika tinombolo letintsatfu emkhatsini wa 50 na 99 kumagazini noma ephephandzabeni. Tinamatsisele lapha.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

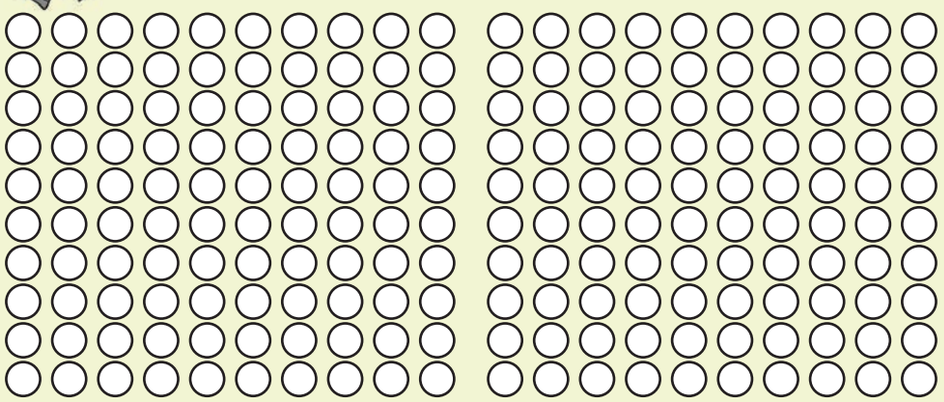
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66

Lusuku:

Tinombolo 100 – 150

1 Faka umbala ku 139 wetindilinga.



100 + 30 + 9 = 139

2 Bhala inombolo. Sibonelo sekucala sitakukhombisa indlela.

100 + 20 + 8 = 128	100 + 40 + 9 =	100 + 40 + 2 =
100 + 50 =	100 + 20 + 7 =	100 + 30 + 5 =

3 Nguyiphi inombolo leba semkhatsini waleti?

103 na 105? _____

139 na 141? _____

120 na 122? _____

150 na 148? _____

146 na 148? _____

1 2 3 4 5 6 7 8 9 10

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Niketa tinombolo tibe timbili letingephasana natimbili letingetulu kwalenombolo leniketiwe.

Ngephasi		Inombolo	Ngetulu	
		123		
		145		
		108		
		141		
		134		

Cedzela lemigca-nombolo.

150 151 ☐ 153 ☐ ☐ 156 ☐ ☐ ☐ 160

180 179 178 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

166 167 ☐ ☐ ☐ ☐ 172 ☐ ☐ 175 176

Sika kahle tinombolo letintsatfu emkhatsini wa 100 na 150 kumagazini noma liphephandzaba. Uma ungatfoli nayinye, sika kahle tinhlavu-nombolo kutakhela wena letinombolo letintsatfu. Tinameke lapha ngekulandzelana kusuka kulencane kakhulu kuye kulenkhulukati.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

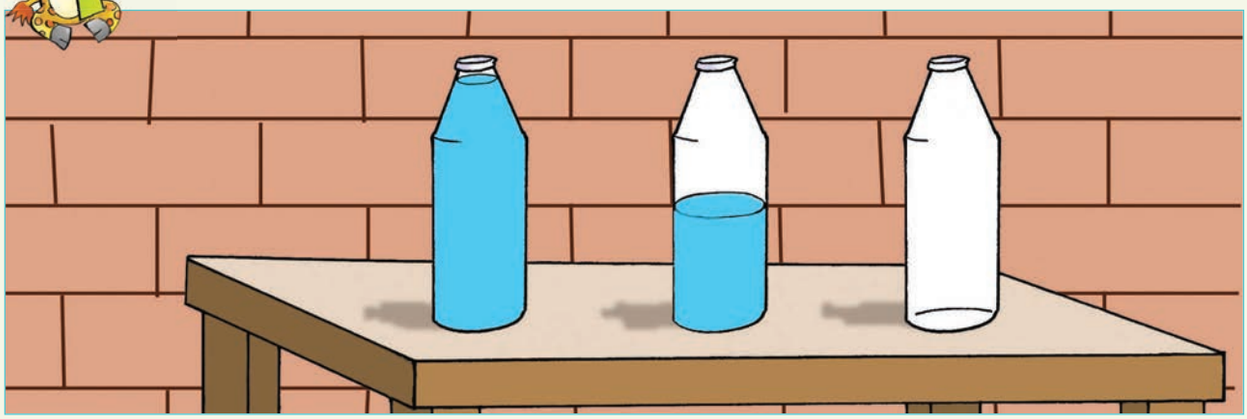
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67

Lusuku:

Kugcwele, kunguhhafu, kute lutfo

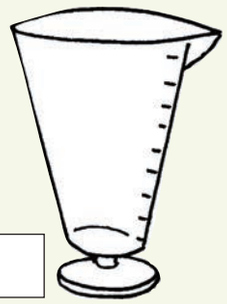
1 Coca ngemabhodlela etafuleni lathishela.



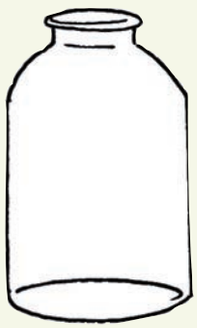
2 Shano kutsi kwekuphatsa kugcwele, kunguhhafu noma kute lutfo.

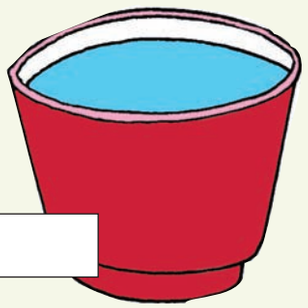






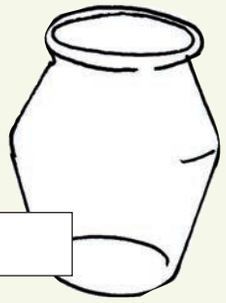








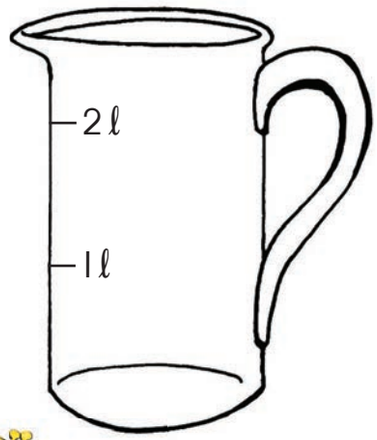
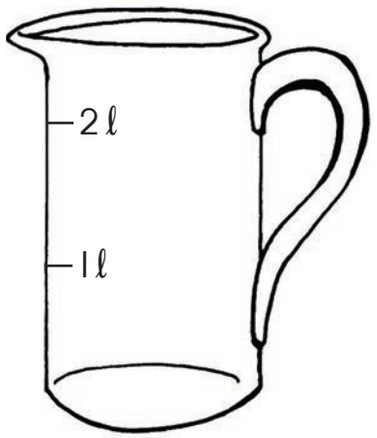
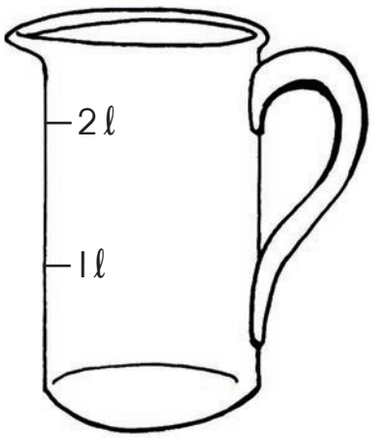




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Faka umbala kukhombisa kutsi kunganani lokusamanti kuletintfo tekuphatsa.

Kugcwele	Kunguhhafu	Kute lutfo
		



Dweba kutsatfu kwakakho kwekuphatsa. Nguloko kwekuphatsa kungaphatsa 4 wemalitha. Faka umbala kukhombisa kutsi:

Kugcwele	Kunguhhafu	Kute lutfo



Ngukuphi kwekuphatsa lokwetfwala kakhulukati?





11 12 13 14 15 16 17 18 19 20

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68

Lusuku:

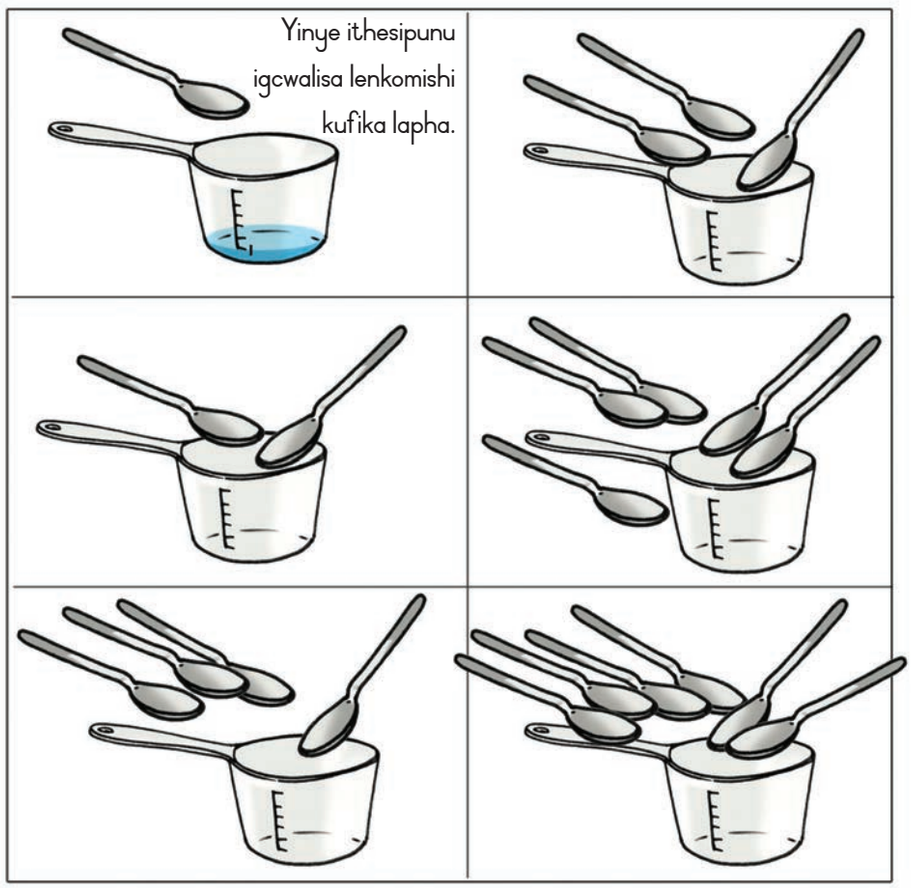
Siyachubeka ngemtsamo

1 Buka letitfombe. Bentani labantfwana?



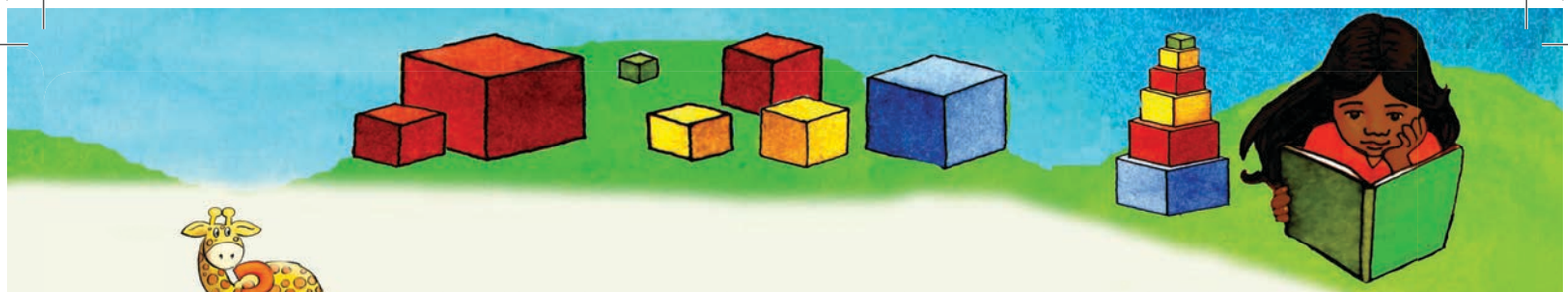


2 Tinkhezo titaligcwalisa kufika kuphi lijeke? Faka umbala.



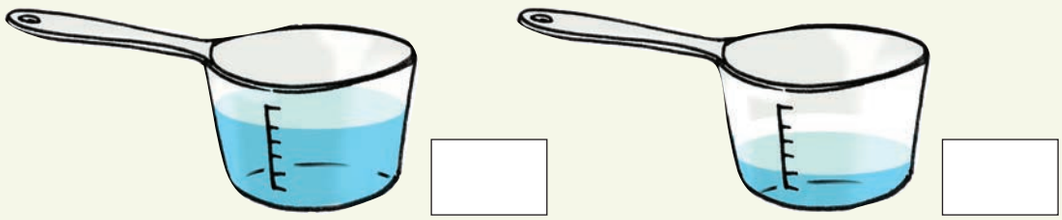
1 2 3 4 5 6 7 8 9 10

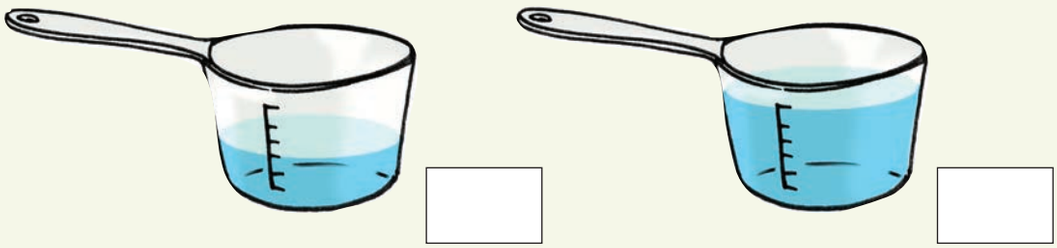
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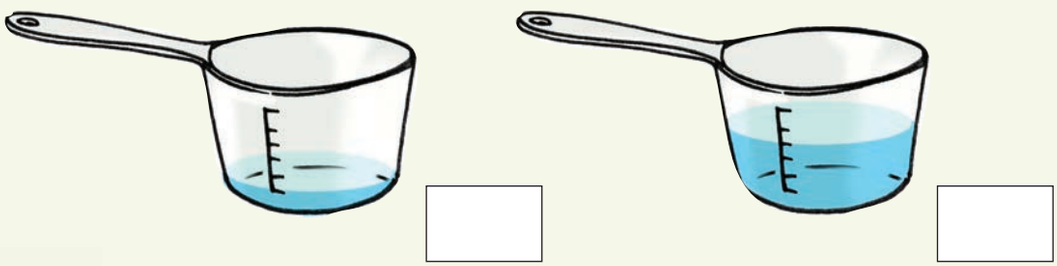




Tingaki tinkhezo letinye lotidzingako futsi kugcwalisa lenkomishi yekukala?









Gogo usebentisa 2 wetinkomishi telubisi kwenta iphudingi. Uma aphindza kabili lendlela yekupheka, utawudzinga lubisi lolunganani?

Teacher:

Sign:

Date:

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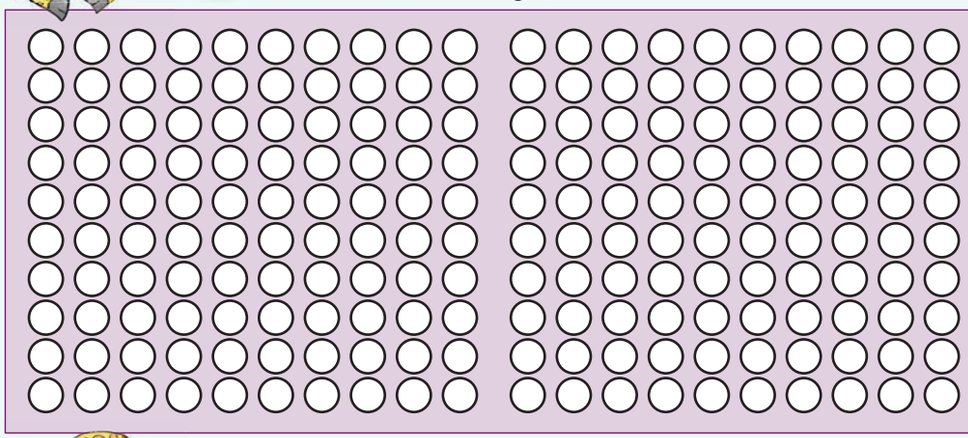
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69

Lusuku:

Tinombolo 150 – 170

1 Faka umbala ku 162 wetindilinga.



2 Bhala inombolo yaloku:

100 + 50 + 2 = 152	=	=
=	=	=

3 Ngutiphi tinombolo letita emkhatsini:

150 na 155 _____

158 na 162 _____

170 na 165 _____

163 na 167 _____

172 na 166 _____

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Niketa tinombolo tibe timbili letingephasana natimbili letingetulu kwalenombolo leniketiwe.

Ngephasi		Inombolo	Ngetulu	
		155		
		168		
		151		
		162		
		160		

Cedzela lemigca-nombolo.

150	151	152					157	158		
154	155	156								
160		162		164	165					170

Sika kahle tinombolo letintsatfu emkhatsini wa 150 na 170 kumagazini noma liphephandzaba. Tinameke lapha kusuka kulenkhulukati kuya kulencane kakhulu.

Teacher:
Sign:
Date:

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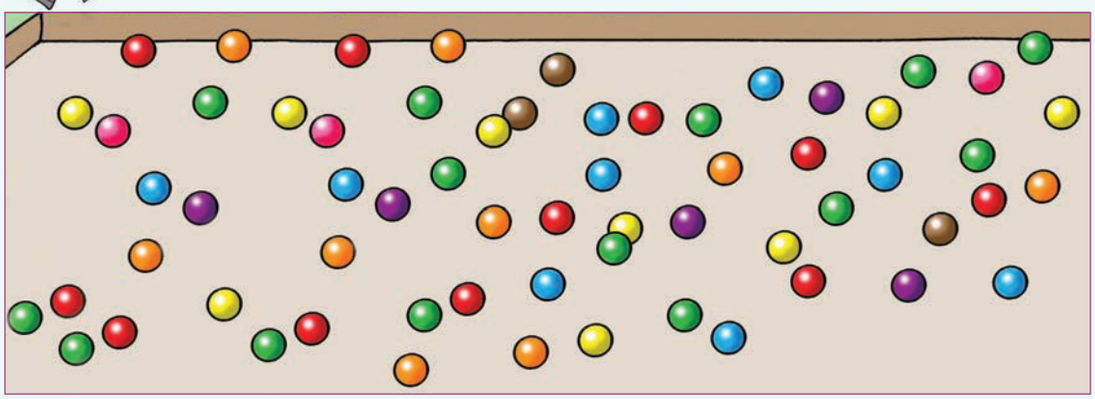
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70

Lusuku:

Kubala nekulinganisela (0 – 100)

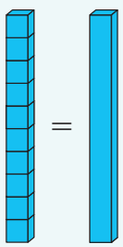
1 Linganisela bese ubala lobuhlalu.

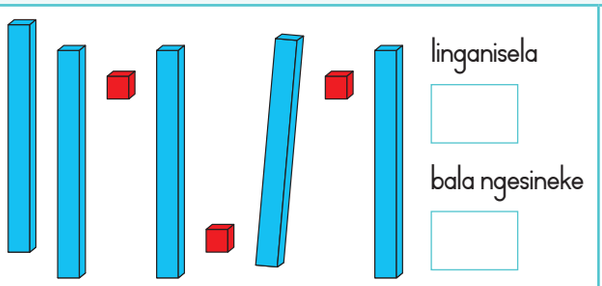


linganisela

bala ngesineke

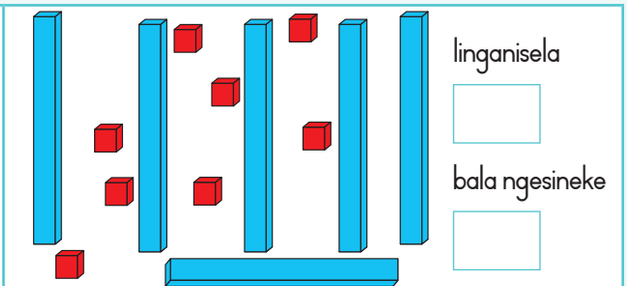
2 Kuna 10 wemabhuloki kulesibaya.
Linganisela bese uyabala.





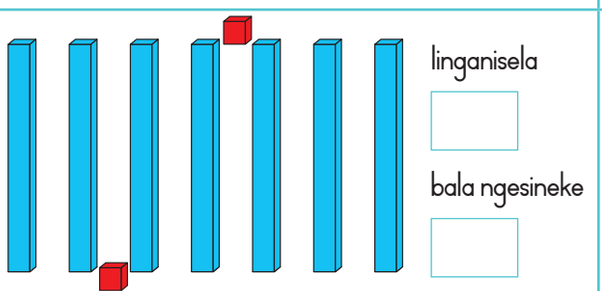
linganisela

bala ngesineke



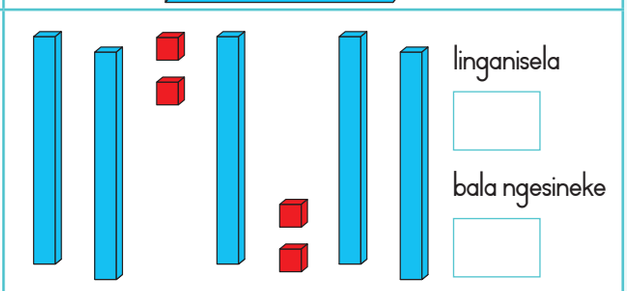
linganisela

bala ngesineke



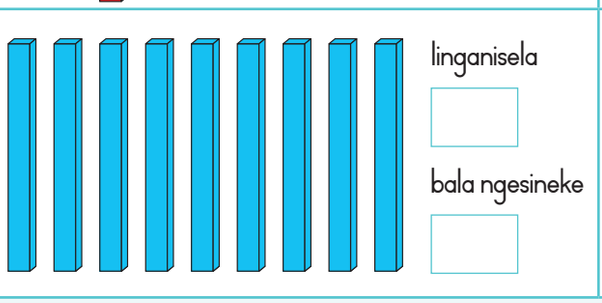
linganisela

bala ngesineke



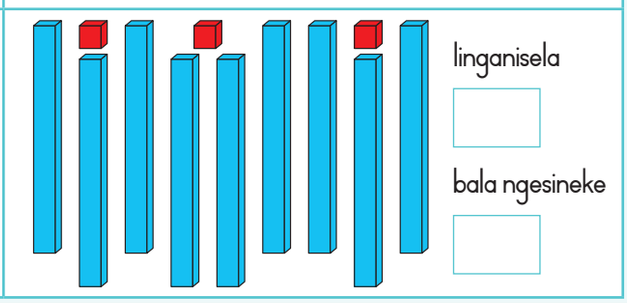
linganisela

bala ngesineke



linganisela

bala ngesineke

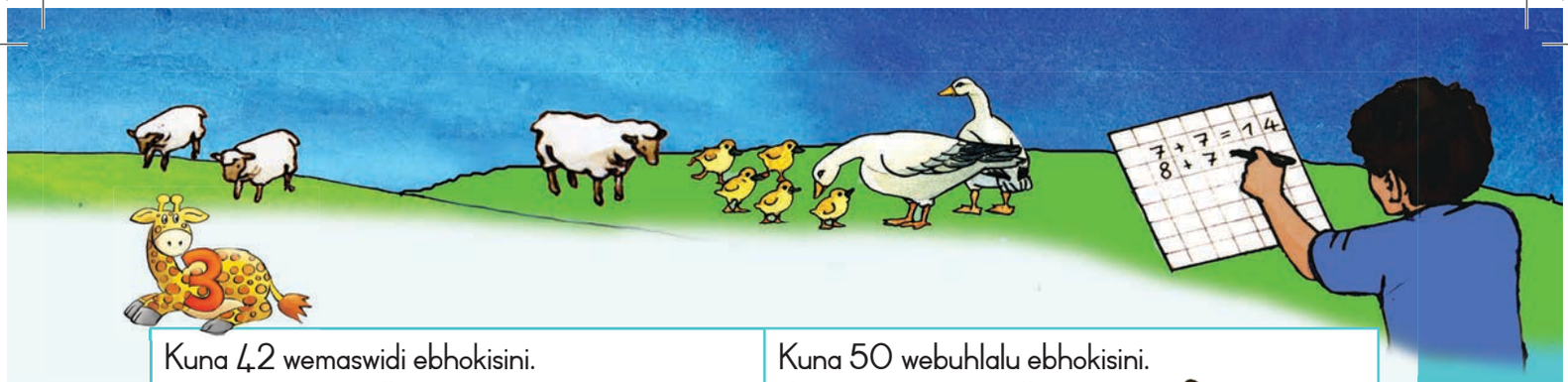


linganisela

bala ngesineke

1 2 3 4 5 6 7 8 9 10

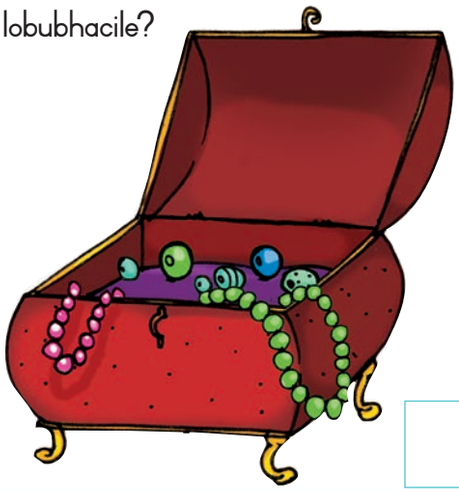
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Kuna 42 wemaswidi ebhokisini.
Mangaki labhacile?



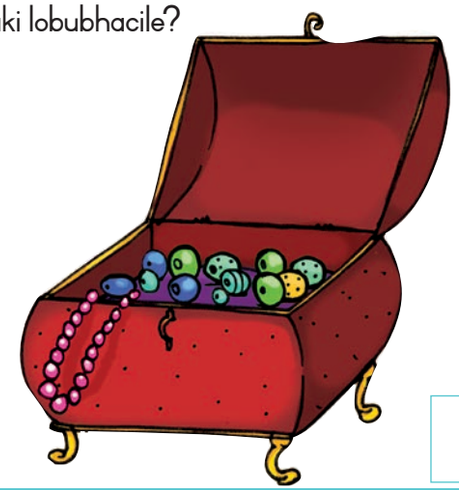
Kuna 50 webuhlalu ebhokisini.
Bungaki lobubhacile?



Kuna 78 wemaswidi ebhokisini.
Mangaki labhacile?

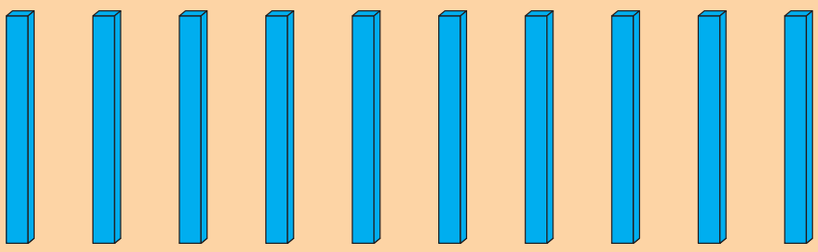


Kuna 100 webuhlalu ebhokisini.
Bungaki lobubhacile?



Ungakwenta masinyane kanganani loku?

Sibaya ngasinye siphatsa 10 wemabhuloki. Mangaki emabhuloki lakhona lapha?

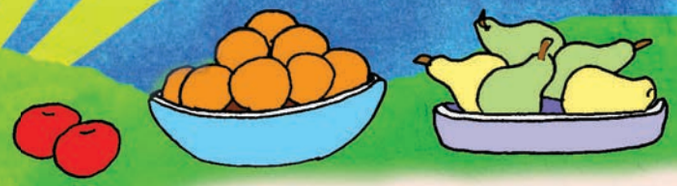


Teacher:
Sign:
Date:

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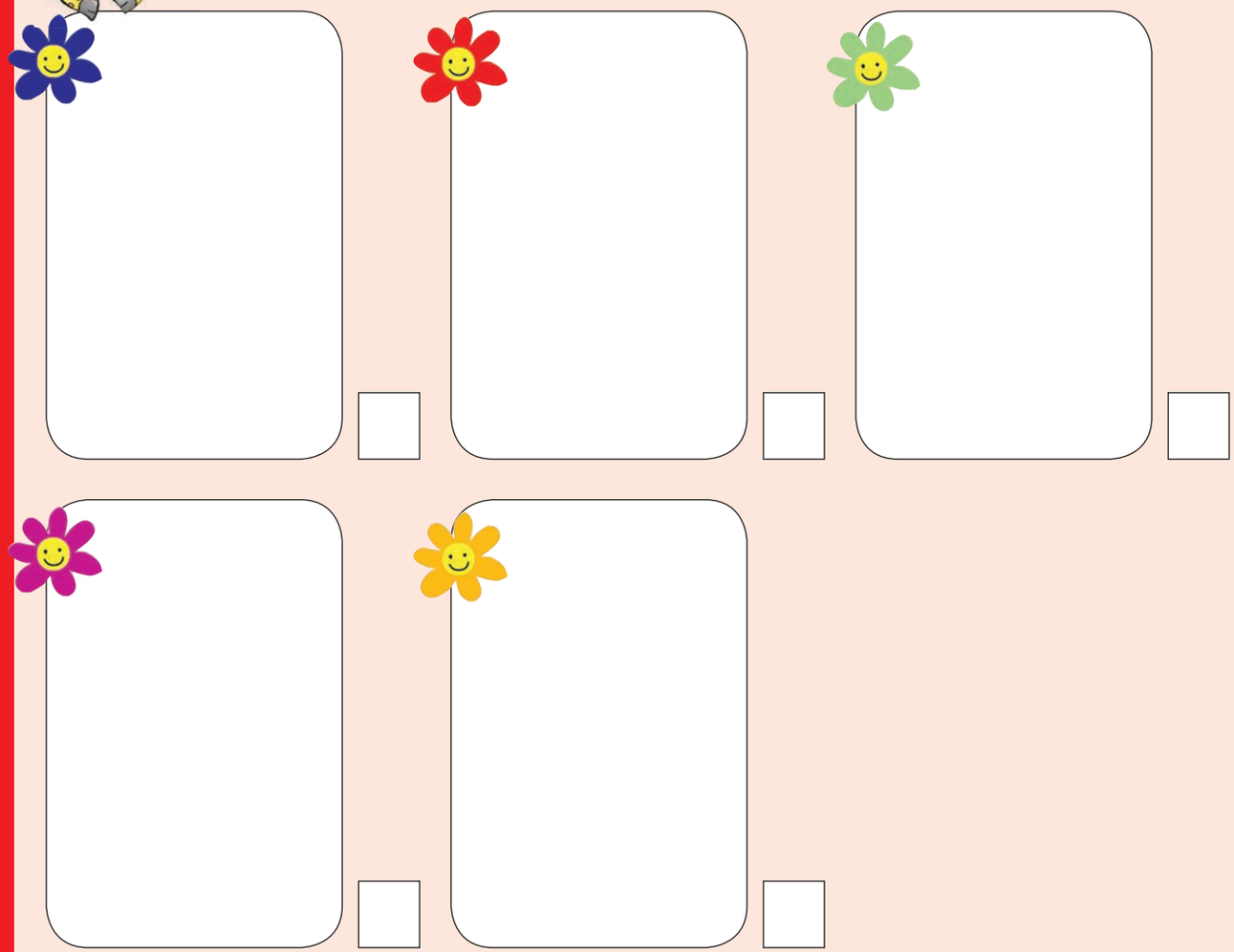
Lusuku:

Imininingwane siyachubeka

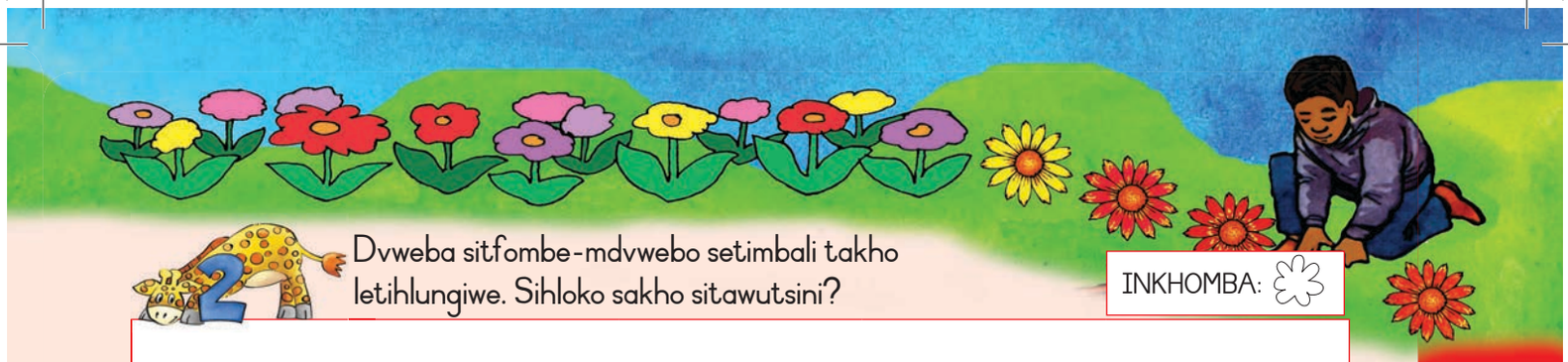




Hlunga letimbali. Yenta wakho umdvwebo. Bhala samba (ithothali) ebhokisini.



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Dvweba sitfombe-mdvwebo setimbali takho letihlungiwe. Sihloko sakho sitawutsini?

INKHOMBA:



Phendvula lemibuto lelandzelako:

Tingaki timbali letisamsobo letikhona?

Tingaki timbali letibovu letikhona?

Tingaki timbali letiluhlata lokusamsobo letikhona?

Tingaki timbali letiphinki letikhona?

Tingaki timbali letimtfubi letikhona?

Ngumuphi umbala wembali lodvume kakhulu?

Ngumuphi umbala wembali longakadvumi?

Ngumuphi umbala wembali lowutsandza kakhulu?

Teacher:
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Date:

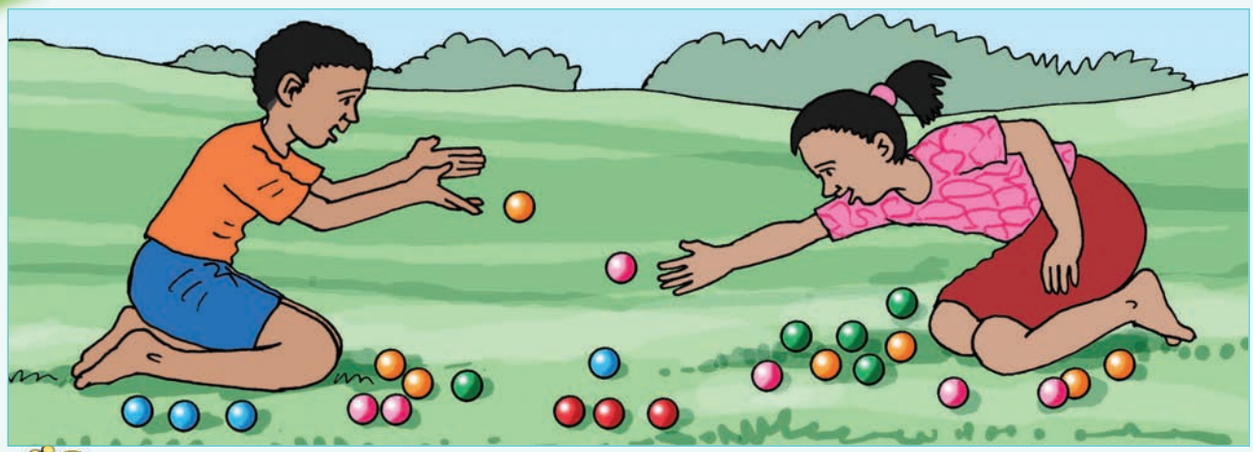
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72

Lusuku:

Kuhlanganisa 0 – 50



1

Buka kulesitfombe bese uhlanganisa lamamabuli.

labovu	+	lalingangane		+		=		
laluhlata	+	lalingangane		+		=		
lasamsobo	+	lalingangane		+		=		
laluhlata	+	lamtfubi		+		=		
labovu	+	laluhlata		+		=		

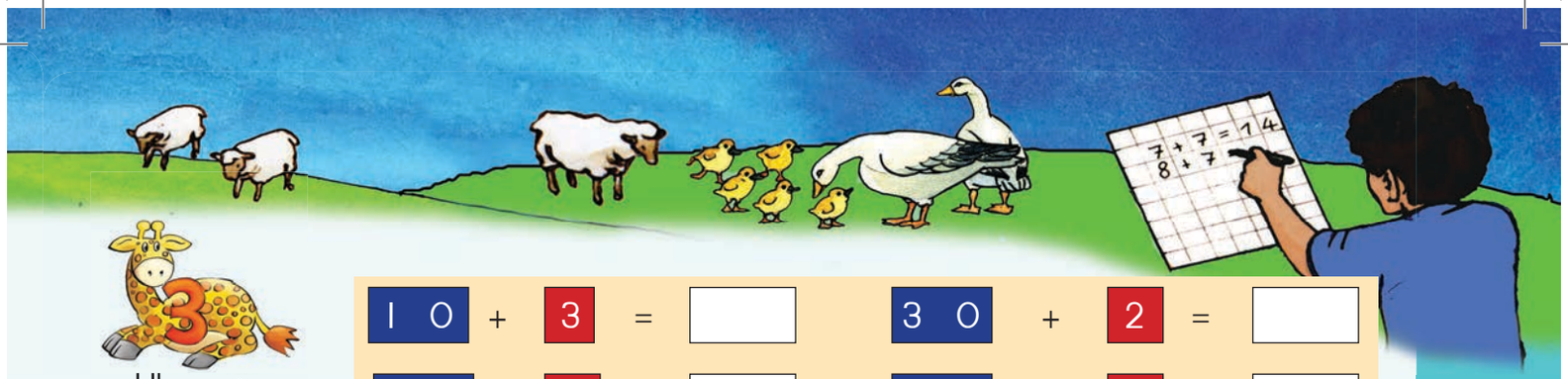
2

Catsanisa lamakhadi. Dvweba umugca usuke esibalweni uye emakhadini langiwo.

2	5	3	7
1 0	2 0	3 0	4 0
7 + 40 = 47	10 + 2 = 12	20 + 5 = 25	3 + 30 = 33

1 2 3 4 5 6 7 8 9 10

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Hlanganisa.

10	+	3	=		30	+	2	=	
20	+	5	=		30	+	7	=	
40	+	1	=		20	+	6	=	
10	+	4	=		40	+	8	=	
30	+	9	=						



Hlanganisa.

16 + 13

6		3		9				
10	+	10	=	20	16	+	13	=	29

24 + 12

4		2						
20	+	10	=			+		=	

37 + 11

7		1						
30	+	10	=			+		=	

25 + 23

5		3						
20	+	20	=			+		=	

36 + 12

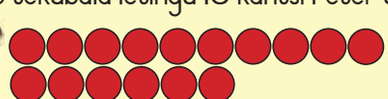
6		2						
30	+	10	=			+		=	

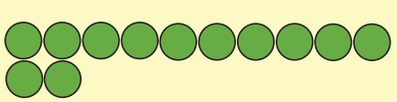
28 + 21

8		1						
20	+	20	=			+		=	

Lisa unetintfo tekubala letingu 16 kantsi Peter una 12.









Itsini ithothali?



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Kuhlanganisa 0 – 75

Lusuku:

1 Catsanisa lamakhadi.

1 10 5 10	6 20 2 10	3 20 5 30	4 40 4 30

2 Hlanganisa.

12 + 11

__ __ + __ __

= __ + __ + __ + __

= __ + __

= __

23 + 41

__ __ + __ __

= __ + __ + __ + __

= __ + __

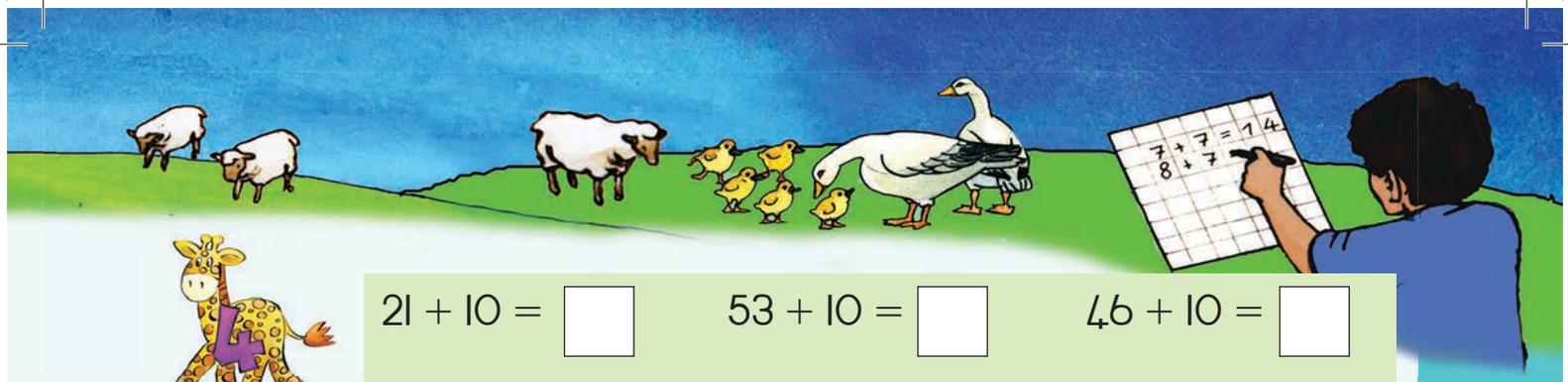
= __

3 Cedzela.

28	+	11	=	2	8	+	10	+	1	=	38	+	1	= 39
34	+	12	=	3	4	+	10	+	2	=	__	+	__	= __
43	+	23	=	4	3	+	20	+	3	=	__	+	__	= __
45	+	23	=	4	5	+	20	+	3	=	__	+	__	= __
56	+	11	=	5	6	+	10	+	1	=	__	+	__	= __

1 2 3 4 5 6 7 8 9 10

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4

Hlanganisa.

21 + 10 = ☐	53 + 10 = ☐	46 + 10 = ☐
68 + 10 = ☐	37 + 10 = ☐	42 + 10 = ☐
74 + 10 = ☐	19 + 10 = ☐	55 + 10 = ☐

5

Sibalo sa 47 na 6 ngu? ☐

Dvweba sitfombe kukhombisa imphendvulo yakho.

6

Yenta sibalo sakho semagama ngekusebentisa titfombe.



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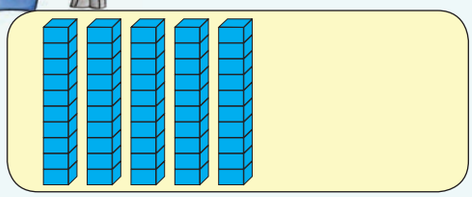
Kuhlanganisa nekususa: 0 – 75

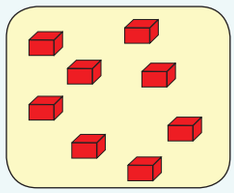
Lusuku:

1 Condzanisa emakhadi. Dvweba umugca kusuka esibalweni kuya emakhadini langiwo.

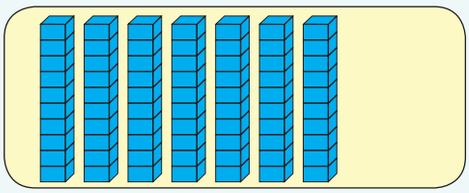
9	5	4	7
6 0	5 0	7 0	4 0
7 + 40 = 47	60 + 9 = 69	50 + 5 = 55	4 + 70 =74

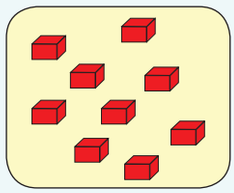
2 Bhala sibalo saloku lokulandzelako bese uyakuhlanganisa.



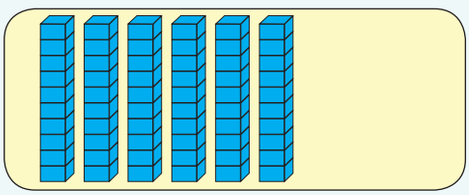


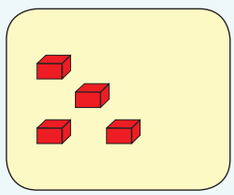
___ + ___ = ___





___ + ___ = ___





___ + ___ = ___

3 Hlanganisa.

6 0	+	4	=		3 0	+	2	=	
4 0	+	9	=		5 0	+	4	=	
2 0	+	8	=		1 0	+	7	=	
7 0	+	5	=		7 0	+	8	=	
5 0	+	6	=						

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4 Hlanganisa.

56 + 15

56	+	15	=	71

34 + 17

	+		=	

48 + 13

	+		=	

63 – 41

	–		=	

75 – 51

	–		=	

72 – 49

	–		=	

5 Yenta umdvwebo: Mbali unemabhuloki langu 52 kantsi Zander una 36.





Itsini ithothali? _____

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Lusuku:

Emabhola, emabhokisi nemibhoshongo



Usakhumbula nje kutsi bobunjwa labanjani laba?

Lamagama angakusita:

- emabhokisi
- emabhola
- imibhoshongo



Bekisa emabhola, emabhokisi nemibhoshongo ngekubhala lelogama ngephasi kwaleyontfo ngayinye.

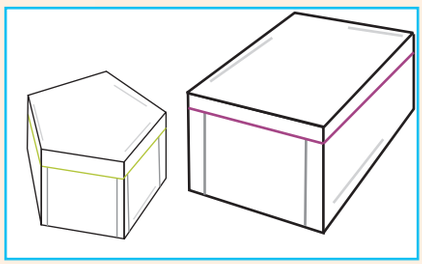


1 2 3 4 5 6 7 8 9 10

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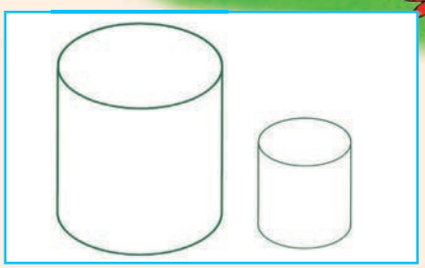
Faka umbala lolingangane etintfweni letincanyana.



emabhokisi



emabhola



imibhoshongo

Dvweba intfo lenkhudlwana.









Ufuna kufaka sipho sekutalwa samake wakho kulentfo lena yekuphatsa.
Udzinga kuchazela umtsengisi esitolo kutsi yini loyifunako.
Ungayichaza kanjani lentfo?

Teacher:
Sign:
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Shelela, gicika ubuye wakhe ngetintfo letiyi 3-D



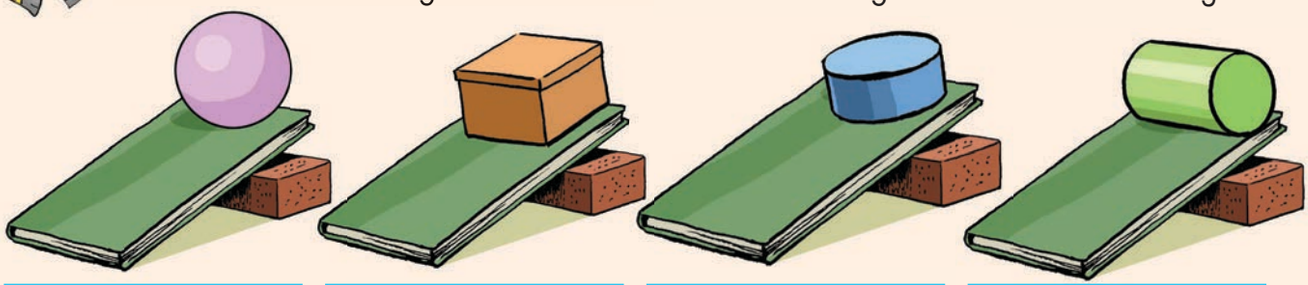


Thishela wakho utakwenta lomsebenti ngetandla kanye nani kubona kutsi ngabe loku lokulandzelako kutawusimama yini:

- Libhokisi etu kwelibhokisi.
- Ibhola etu kwelibhokisi.
- Ibhola etu kwebhola.
- Emabhokisi lamabili etu kwelibhokisi linye.



Emabhokisi, emabhola nemibhoshongo kungagicika noma kushelele. Thishela wakho utaniniketa letintfo letilandzelako kubona kutsi titawugicika noma titawushelela. Emva kwekwenta lomsebenti ngetandla shano kutsi letintfo titawugicika noma titawushelela yini.



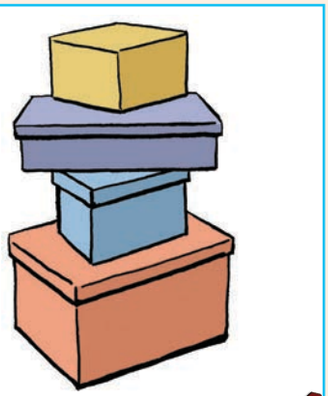


Tfola titfombe tetintfo letitawugicika noma tishelele kubomagazini utinamatsisele lapha.

gicika	shelela

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Thishela wakho uninike emabhuloki kwakha takhiwo letiphakeme letehlukene. Wena nemngani wakho nikhetse kwakha takhiwo ngemabhokisi, emabhola nemibhoshongo. Naku lenikwakhile noma lenetame kukwakha. Shano kutsi kuyakhonakala yini noma cha.

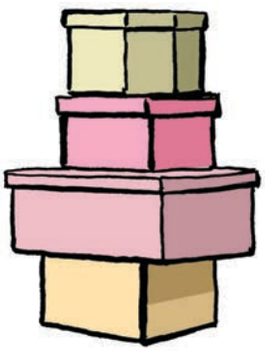


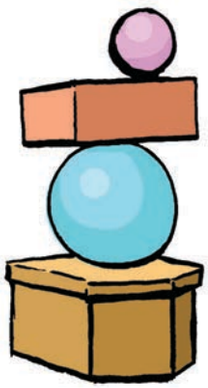




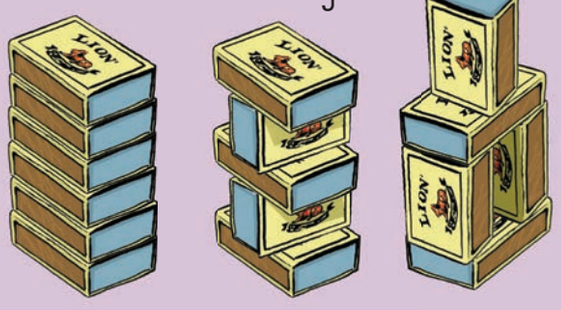
Loku kutawukhonakala







Nati takhiwo temabhokisi emetjiso.



Udzinga:
Emabhokisi emetjiso.

Wenta loku:
Nyalo yetama kwakha sakhiwo semabhokisi emetjiso siphakame kakhulu ngaphandle kwekusebentisa iglu.

Teacher:
Sign:
Date:

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Siyachubeka kuhlanganisa nekususa 0 – 75

Lusuku:

1 Hlanganisa tinombolo ebhulokini ngayinye bese ubhala phansi imphendvulo.

50 + 20 =	50 + 10 =	40 + 10 =	30 + 20 =
2 3	7 2	4 3	8 1

2 Hlanganisa usebentisa indlela yakakho.

52 + 21

43 + 28

3 Cedzela.

28	+	31	=	28	+	30	+	1	=	58	+	1	=	59
45	+	32	=	45	+	30	+	2	=		+		=	
52	+	14	+	52	+	10	+	4	=		+		=	

4 Hlanganisa.

41 + 10 = ☐ 44 + 10 = ☐ 71 + 10 = ☐

Kuhlanganiswa kwa 36 na 24 ngu_____.

5 Dvweba sitfombe kukhombisa imphendvulo yakho.

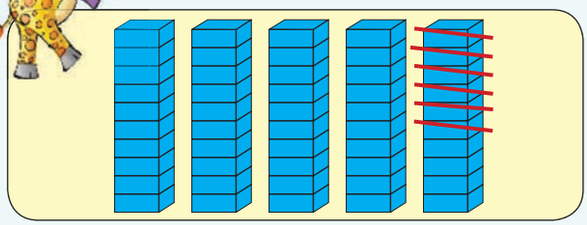
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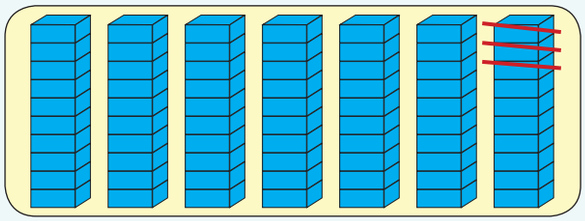


6 Khipha tinombolo letingaphasi kuleti letingetulu.

5 7 0	2 6 0	7 5 0	9 3 0
3 4 0	1 2 0	6 1 0	5 1 0

7 Bhala sibalo saloku lokulandzelako.





[ ] – [ ] = [ ] [ ] – [ ] = [ ]

8 Susa:

65 – 23

72 – 29

9 Khipha.

61 – 10 = [ ] 42 – 10 = [ ] 37 – 10 = [ ]

10 Yenta umdvwebo: Palesa unemamabuli langu 62 kantsi ulahlekelwe ngu 21.



Mangaki emamabuli lasele? ____

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

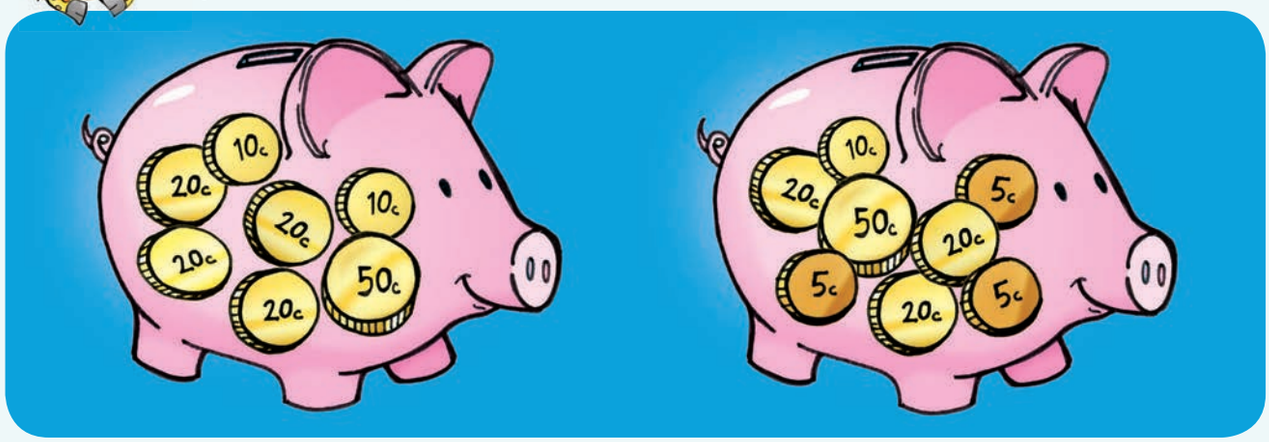
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Lusuku:

Siyachubeka ngemali

1 Liyini lidlela-ntfongeni lami?



2 Sebentisa imali yensimbi lekuKwekusiwa 3 unamatsisele emanani langiwo lapha.

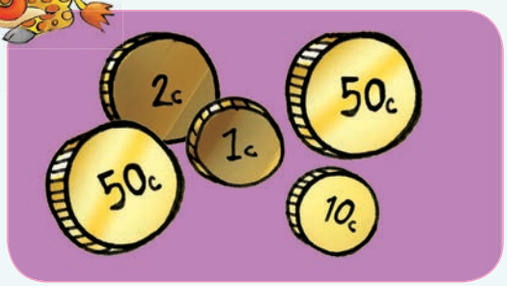
	
	
	

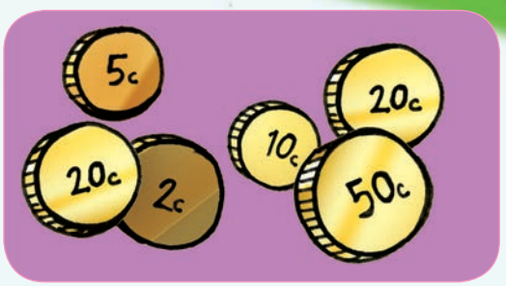
1 2 3 4 5 6 7 8 9 10

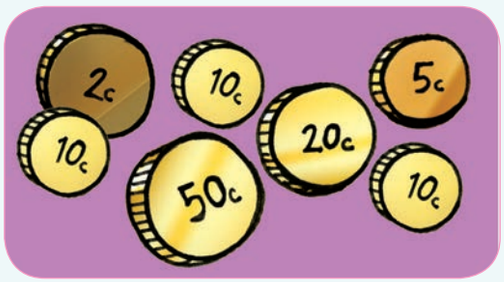
SIS MAT G2 B2 9781431501441.indb 28 2014/07/04 3:29 AM

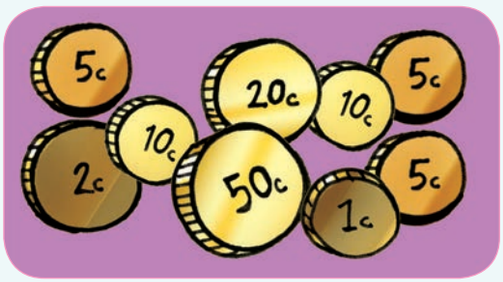


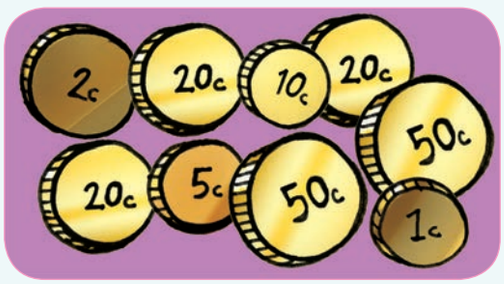
Mangaki emasenti?

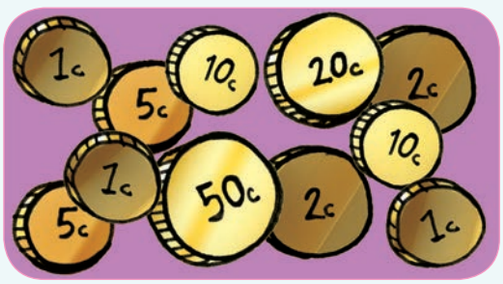












Tibalo-magama:

Ngina 100c. Babe unginika 50c. Senginamalini nyalo? Dvweba sitfombe kukhombisa imphendvulo yakho.

Ngina 170c. Ngitsenge liswidi nga 100c. Sengisele namalini? Dvweba sitfombe kukhombisa imphendvulo yakho.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

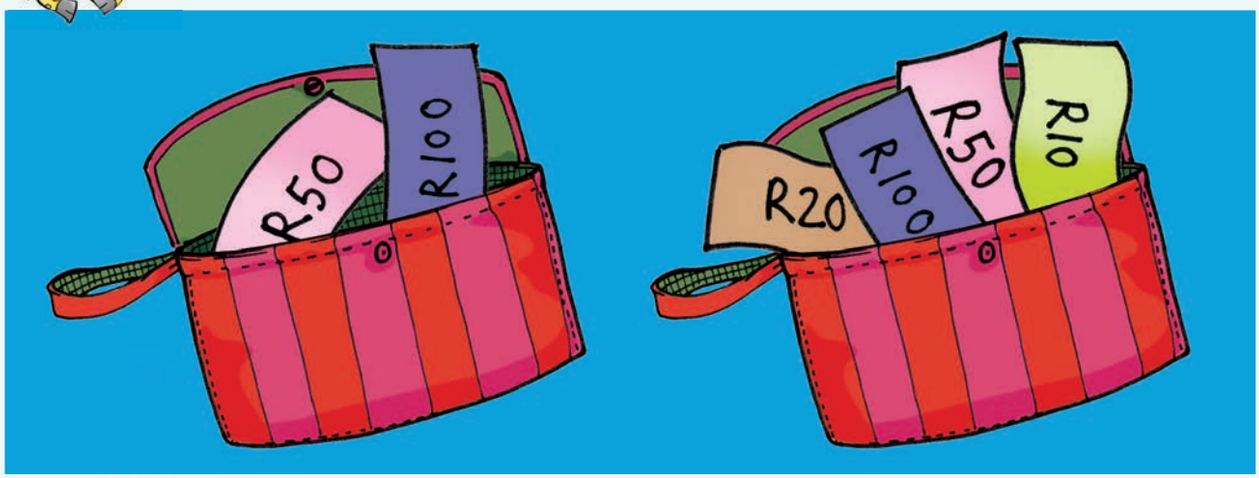
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79

Lusuku:

Siyachubeka ngemali yeliphepha

1 Ngumalini losesipatjini sami?

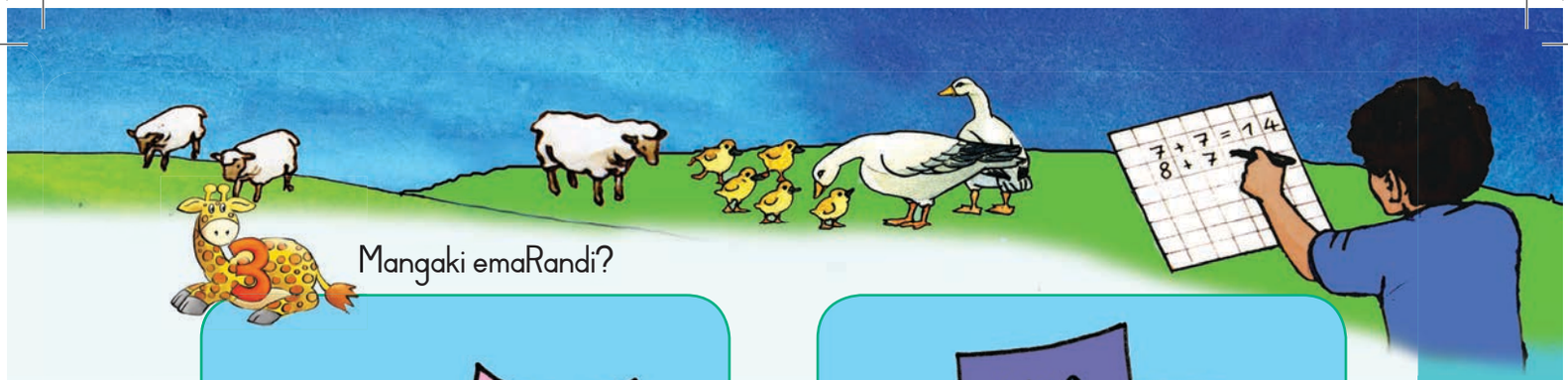


2 Sebentisa imali lemaphepha lekuKwekusikwa 3 unamatsisele emanani langiwo lapha.

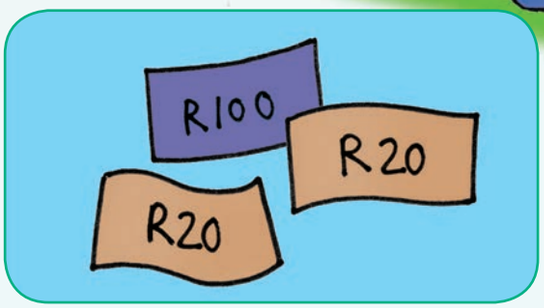
1 2 3 4 5 6 7 8 9 10

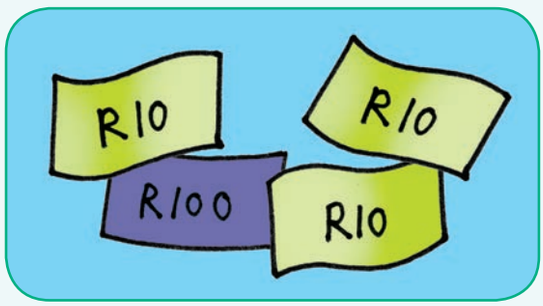
SIS MAT G2 B2 9781431501441.indb 30 2014/07/04 3:29 AM

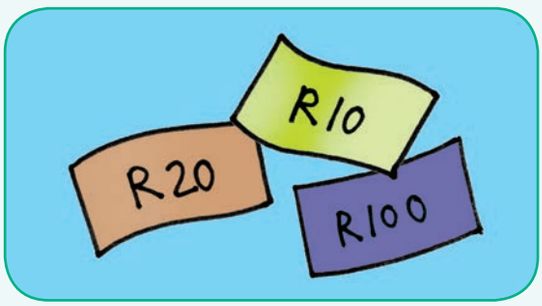


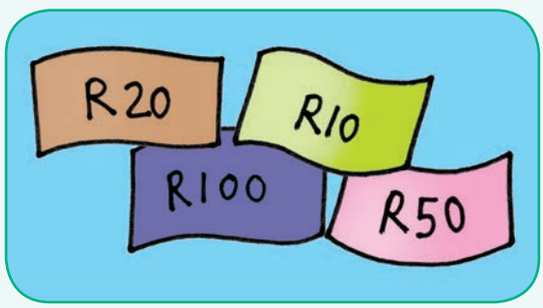
Mangaki emaRandi?















Tibalo-magama:

Umnaketfu una R100. Ngina R50 kantsi dzadze lomncane una R20. Sinamalini sesisonkhe?

_____

Ngina R160. Ngitsenge lishethi nga R50. Sengisele namalini?

_____

Teacher:
Sign:
Date:

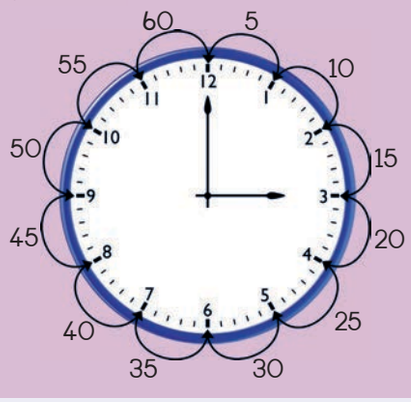
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Iphethini yesikhatsi

Coca ngeliwashi.



Liwashi lisikhomba sikhatsi.

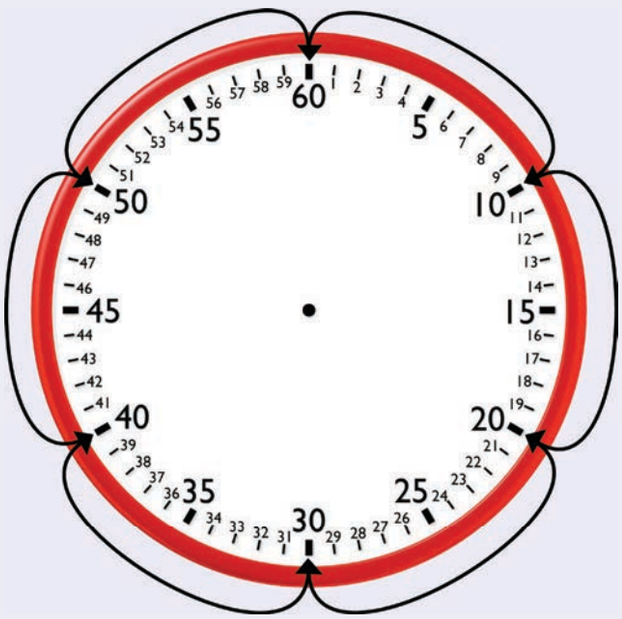
Lutsi lolufisha lusikhomba ema-awa.

Lutsi loludze lusikhomba imizuzu.

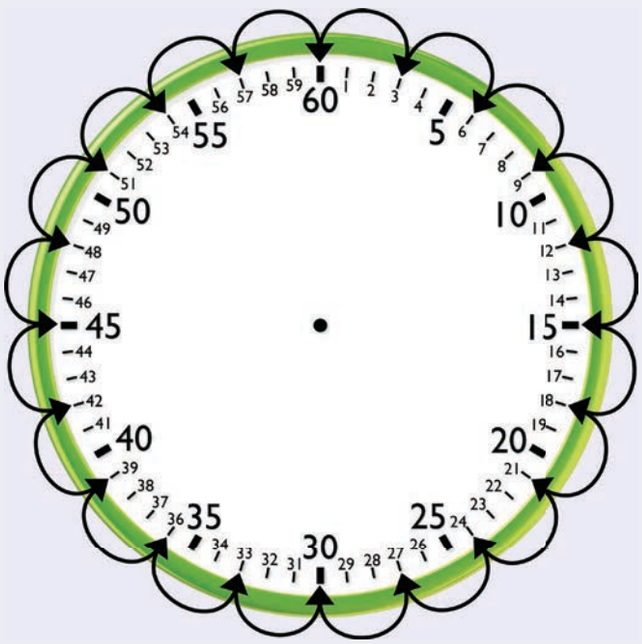
Lapha sibala imizuzu ngetihlanu.



Itsini iphethini? Bukisisa lobutjoki sikhatsi ngesikhatsi bese ubhala phansi iphethini.



10 ___, ___, ___, ___, ___,



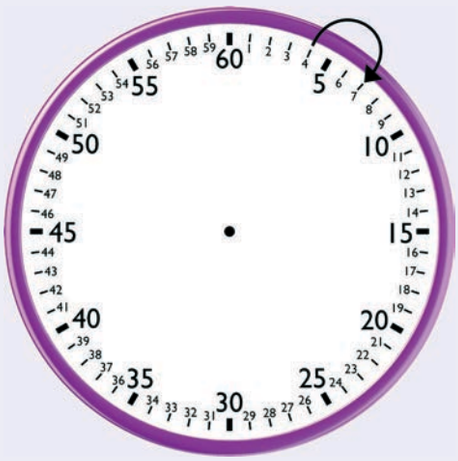
3, ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___, ___, ___, ___, ___,
___, ___, ___, ___,

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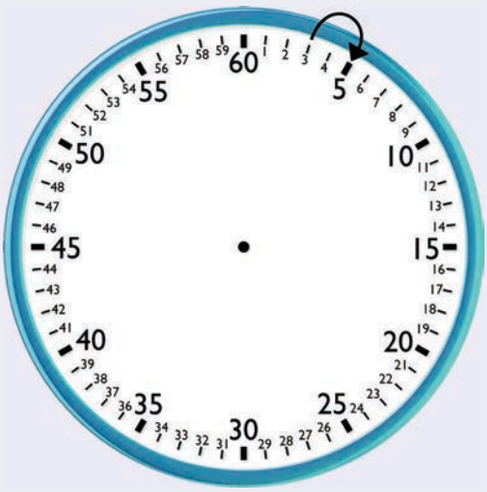


Khombisa iphethini usebentisa butjoki.

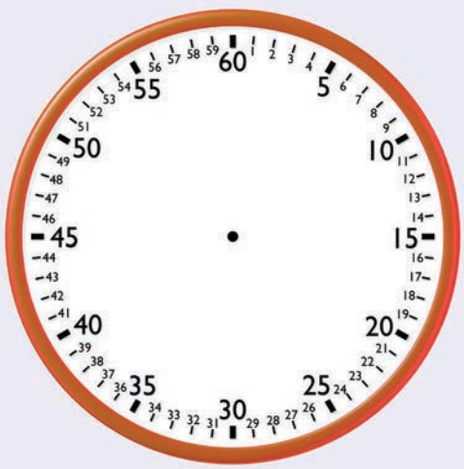
Bala ngabo 3 ucale ku 4.



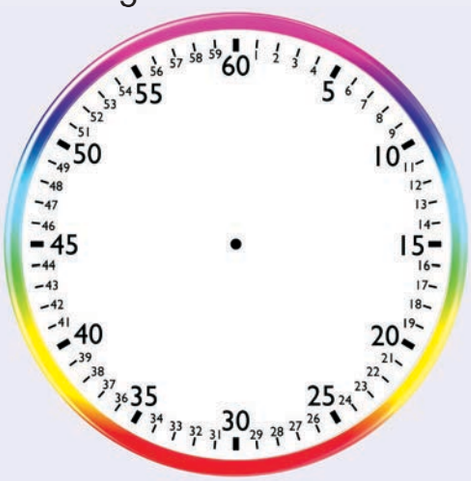
Bala ngabo 2 ucale ku 3.



Bala ngabo 10 ucale ku 1.



Bala ngabo 5 ucale ku 2.



Uya ngabani sikhatsi esikolwenil?



Uya ngabani sikhatsi ekhaya?



Usidla ngabani sikhatsi sidlo sakusihlwa?



Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

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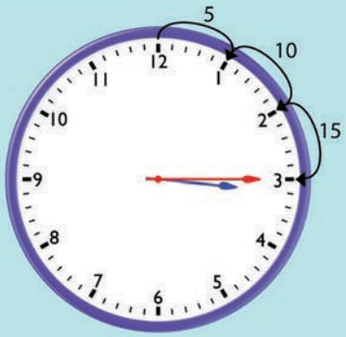
8.1a



Ema – awa nemizuzu



Coca ngeliwashi.



Lutsi lolufisha lusikhomba kutsi sekushaye kwengca 3 wema-awa.

Lutsi loludze lusikhomba kutsi ngu 15 wemizuzu.

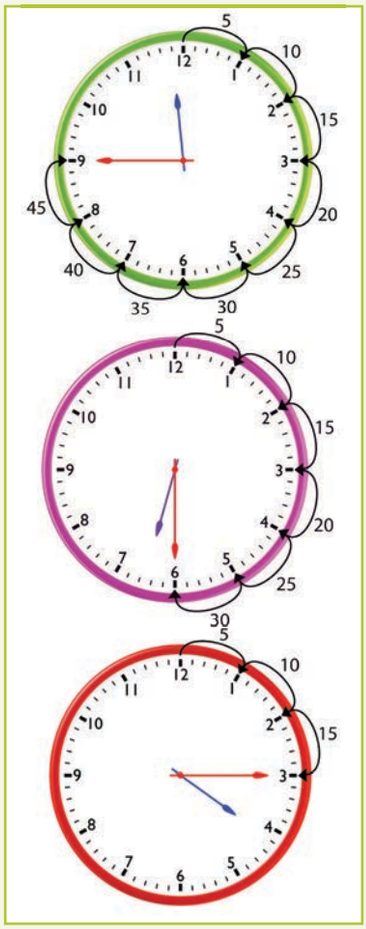
Loku sitsi ngukota phasi 3.

Sisho kutsi yimizuzu lelishumi nesihlanu emva kwema-awa lama 3.

Imizuzu lelishumi-nanhlanu yikota yemizuzu lengemashumi-lasitfupha (li-awa)



Ngubani sikhatsi?



Lutsi lolufisha lusikhombisa _____ .

Lutsi loludze lusikhombisa _____ .

Sitsi ngu _____ .

Lutsi lolufisha lusikhombisa _____ .

Lutsi loludze lusikhombisa _____ .

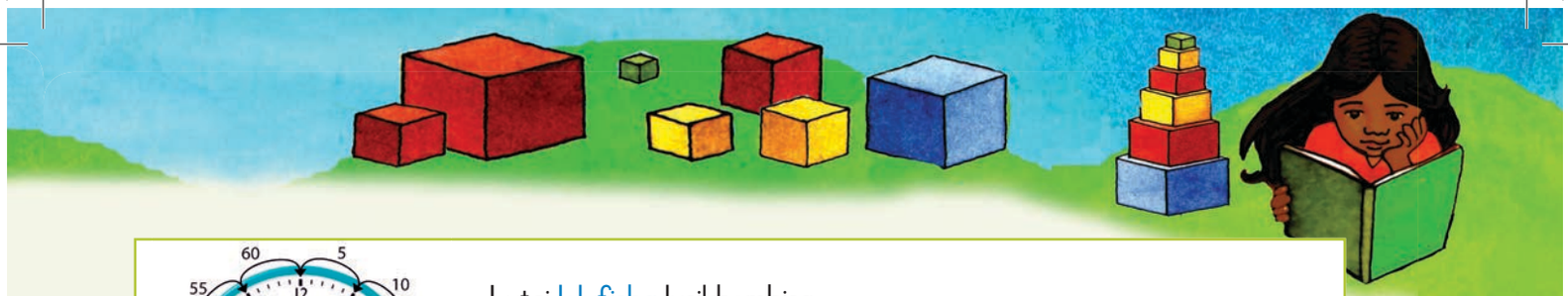
Sitsi ngu _____ .

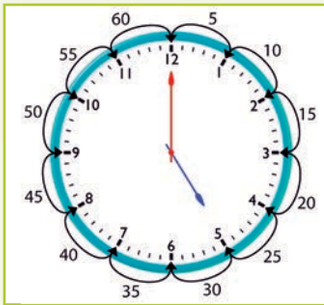
Lutsi lolufisha lusikhombisa _____ .

Lutsi loludze lusikhombisa _____ .

Sitsi ngu _____ .

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Lutsi lolufisha lusikhombisa _____ .

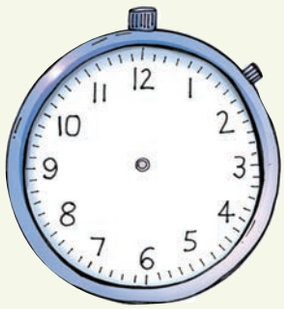
Lutsi loludze lusikhombisa _____ .

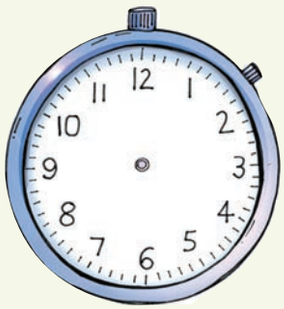
Sitsi ngu _____ .



Dvweba lutsi loludze nelutsi lolufisha.

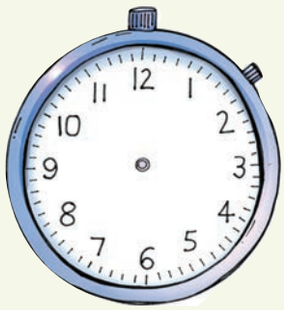
Lishumi nesihlanu emva kweyesibili.

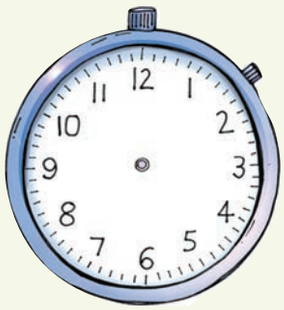




Igabence insimbi yemfica.

Yinsimbi yelishumi enhloko.





Lishumi nesihlanu embi kweyesitfupha.



Uyaye wenteni i ngalesikhatsi emkhatsini neliviki? Dvweba sitfombe.

Lishumi nesihlanu emva kweyesiphohlono ekuseni.

Lishumi nesihlanu emva kweyesiphohlongo kusihlwa.



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8Ib

Lusuku:

Imizuzu nema-awa

1 Coca ngeliwashi.



Lutsi lolufisha lume embi kweyesitsatfu.

Lutsi loludze lume etu kwa 35 imizuzu.

Ingema 25 imizuzu embi kwekuba lutsi loludze lume ku 12.

Sitsi ingemashumi lamabili nesihlanu kungakashayi yesitsatfu. Sisho kutsi ngu 25 wemizuzu embi kweli-awa lesi 3tfu.

2 Ngubani sikhatsi?



Lutsi lolufisha _____ .

Lutsi loludze lume etu kwa _____ .

Ngu _____ embi kwekuba lutsi loludze lume ku 12.

Sitsi ngu _____ _____ ku _____.



Lutsi lolufisha _____ .

Lutsi loludze lume etu kwa _____ .

Ngu _____ embi kwekuba lutsi loludze lume ku 12.

Sitsi ngu _____ _____ ku _____ _____.



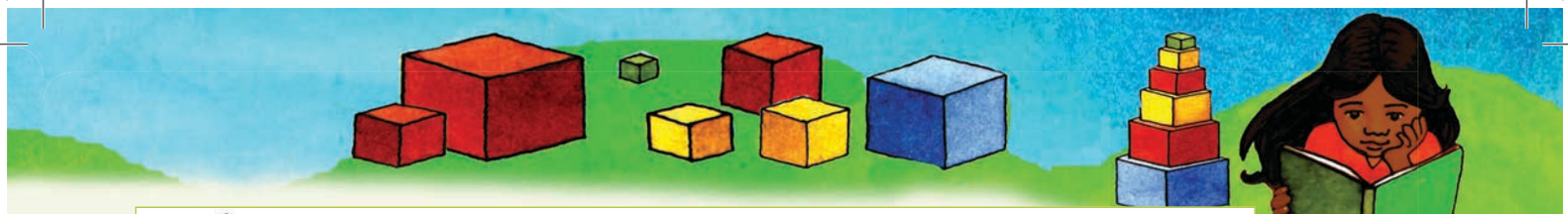
Lutsi lolufisha _____ .

Lutsi loludze lume etu kwa _____ .

Ngu _____ embi kwekuba lutsi loludze lume ku 12.

Sitsi ngu _____ _____ ku _____ _____.

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Lutsi lolufisha _____ .

Lutsi loludze lume etu kwa _____ .

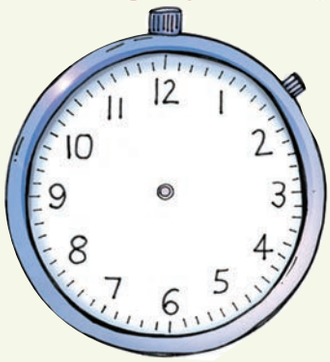
Ngu _____ embi kwe kuba lutsi loludze lume ku 12.

Sitsi ngu _____ ku _____.

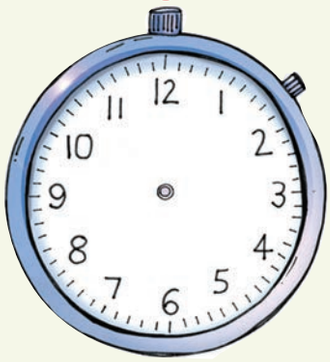


Dvweba lolutsi loludze nelutsi lolufisha kukhombisa kutsi:

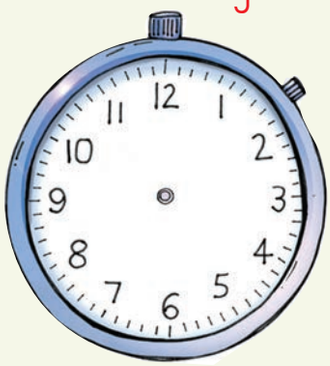
Isihlanu embi kweyesiphohlongo.



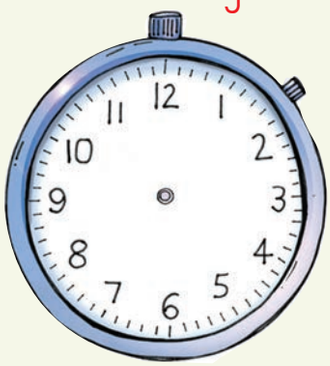
Ingemashumi lamabili embi kweyesitsatfu.



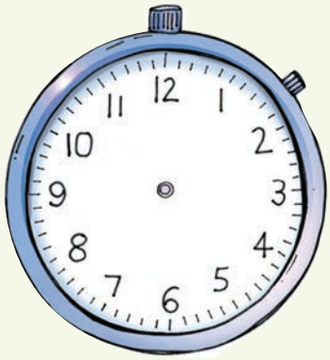
Isihlanu embi kweyekucala.



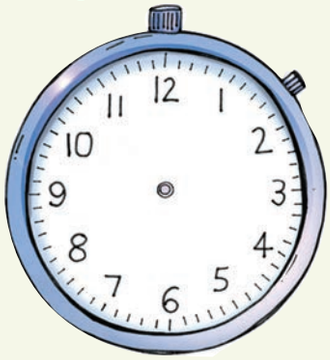
Ilishumi embi kweyesitfupha.



Lishuminantsatfu embi kweyesikhombisa.



Lishuminambili embi kweyelishuminambili.



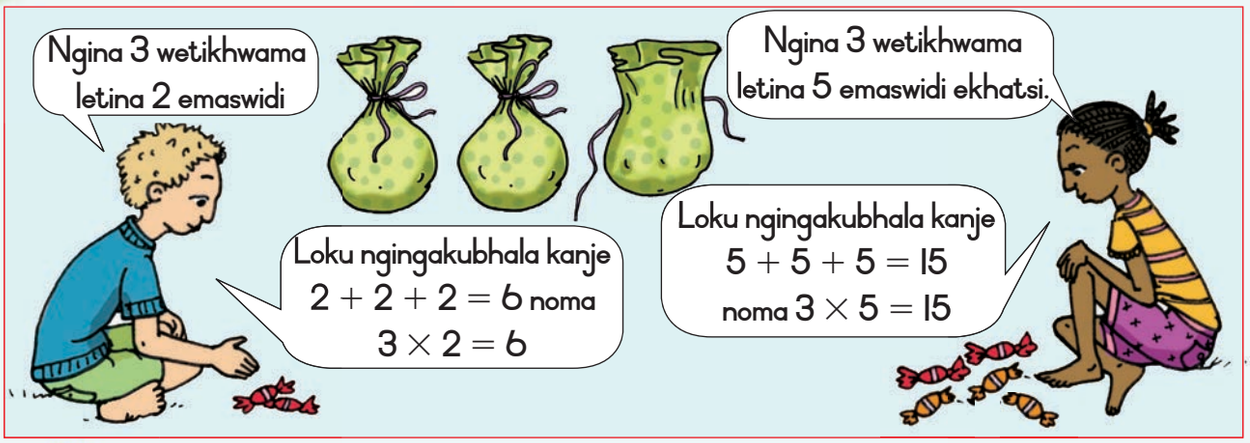


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82 Kuhlanganisa lokuphindziwe

Lusuku: _____





Buka letikhwama letinemaswidi:

- Bhala umusho ngaleso naleso sikhwama.
- Bhala sibalo sekuhlanganisa sangakunye ngakunye.
- Bhala sibalo sekuphindzaphindza sikhwama ngasinye.

Sikhwama ngasinye sina 2 wemaswidi.



Umusho: 4 ticumbi tabo 2

Sibalo sekuhlanganisa: 2 + 2 + 2 + 2 = __

Sibalo sekuphindzaphindza: 4 × 2 = _____

Sikhwama ngasinye lesivaliwe sina 2 wemaswidi.



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____

Sikhwama ngasinye lesivaliwe sina 5 wemaswidi.



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____

Sikhwama ngasinye lesivaliwe sina 2 wemaswidi.



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____



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2 Ake setame ngetikhwama letina 4 wemaswidi ngasinye. Sikhwama ngasinye sina 4 wemaswidi. Mangaki emaswidi lakhona sekawonkhe?



Umusho: 7 emacembu a-4

Sibalo sekuhlanganisa:

$4 + 4 + 4 + 4 + 4 + 4 + 4 = 28$

Sibalo sekuphindzaphindza: $7 \times 4 = 28$



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____



Umusho: _____

Sibalo sekuhlanganisa: _____

Sibalo sekuphindzaphindza: _____

3 Cedzela lelithebula lekuphindzaphindza.

×	1	2	3	4	5	6	7	8	9	10
2			6							
4					20					
5										50

Nginemabhokisi lasihlanu lanemabhanisi lamabili libhokisi ngalinye. Mangaki emabhanisi lakhona sekawonkhe?



Nginemabhokisi lamane lanemakhekhana lasihlanu libhokisi ngalinye. Mangaki emakhekhana lakhona sekawonkhe?



Nginemabhokisi lamatsatfu lanemadonathi lamane libhokisi ngalinye. Mangaki emadonathi lakhona sekawonkhe?



Teacher:
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Date:

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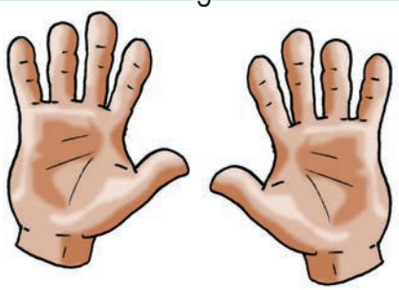
Phindzaphindza nga 5

Lusuku:

Lunyawo lunye luna 5 wetintwane.



Sandla sinye sina 5 weminwe.



Litsini linani selilonkhe letintwane? ☐

Litsini linani selilonkhe leminwe? ☐



Cedzela loku lokulandzelako:

☐ Tintwane elunyaweni lunye × ☐ Tinyawo = ☐



☐ Iminwe esandleni sinye × ☐ Tandla = ☐



☐ Tintwane elunyaweni lunye × ☐ Tinyawo = ☐



☐ Iminwe esandleni sinye × ☐ Tandla = ☐



☐ Tintwane elunyaweni lunye × ☐ Tinyawo = ☐



☐ Iminwe esandleni sinye × ☐ Tandla = ☐



☐ Tintwane elunyaweni lunye × ☐ Tinyawo = ☐



☐ Iminwe esandleni sinye × ☐ Tandla = ☐

1 2 3 4 5 6 7 8 9 10

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2 Cedzela loku lokulandzelako:

5	10	15							
50	45	40							

3 Cedzela loku lokulandzelako:

$5 \times$  $=$ ☐ emahhabhula	$4 \times$  $=$ ☐ bobhanana
$6 \times$  $=$ ☐ bobhanana	$7 \times$  $=$ ☐ emahhabhula

4 Cedzela loku lokulandzelako:

$15 \times 5 =$ ☐

10 5 $\times 5$

$= (10 + 5) \times 5$

$= 10 \times 5 + 5 \times 5$

$= 50 + 25$

$= 75$

$12 \times 5 =$ ☐

10 2 $\times 5$

$= (\square + \square) \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

$14 \times 5 =$ ☐

10 4 $\times 5$

$= (\square + \square) \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

$13 \times 5 =$ ☐

10 3 $\times 5$

$= (\square + \square) \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

Teacher:
Sign:
Date:

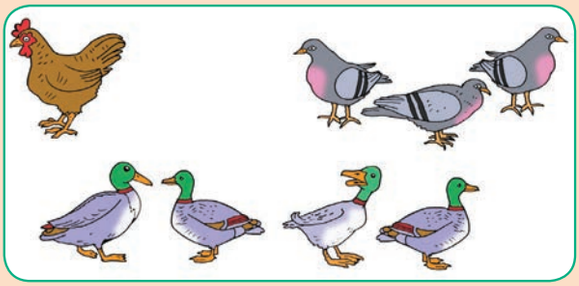
11 12 13 14 15 16 17 18 19 20

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84 Kuphindzaphindza

Lusuku:

Tonkhe tinyoni tinetinyawo leti 2.



Tonkhe tinyoni tinetimphiko leti 2.

Litsini linani letinyawo setitonkhe kulesitfombe? ☐

Tingaki timphiko setitonkhe kulesitfombe? ☐

1 Buka lesitfombe ucedzele loku lokulandzelako.

ematuba

☐ × ☐ = ☐
Linani lematuba — Tinyawo inyoni ngayinye

☐ × ☐ = ☐
Linani lematuba — Tinyawo inyoni ngayinye

emadada

☐ × ☐ = ☐
Linani lemadada — Tinyawo inyoni ngayinye

☐ × ☐ = ☐
Linani lemadada — Tinyawo inyoni ngayinye

2 Cedzela loku lokulandzelako:

2	4	6							
20	18	16							

3 Cedzela loku lokulandzelako:

5 ×  = ☐ emahhabhula	4 ×  = ☐ bobhanana
6 ×  = ☐ bobhanana	7 ×  = ☐ emahhabhula

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Cedzela loku lokulandzelako:

$12 \times 2 = \square$

$10 + 2 \times 2$

$= 10 + 2 \times 2$

$= 10 \times 2 + 2 \times 2$

$= 20 + 4$

$= 24$

$15 \times 2 = \square$

$10 + 5 \times 2$

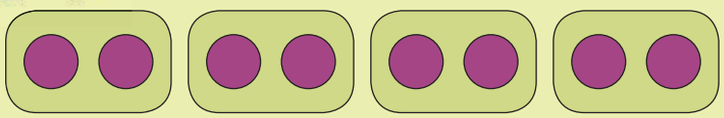
$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$





$2 + 2 + 2 + 2 = 8$

noma

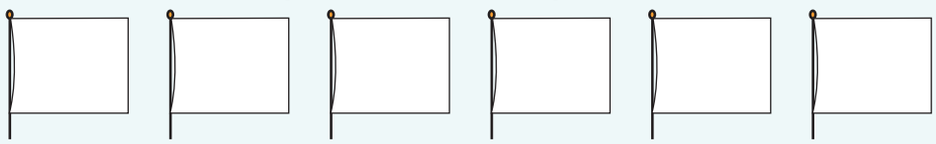
$4 \times 2 = 8$

noma

$8 \div 2 = 4$

Lolu luphawu lwekwehlukanisa.

Dvweba 2 wetinkhanyeti kumjeka ngamunye.



$2 + ___ + ___ + ___ + ___ + ___ = ___$

$___ \times ___ = ___$



Mangaki emabhuloki kuletibhelekeca taboshokholethi?

$___ \times ___ = ___$

$___ \times ___ = ___$



Teacher:

Sign:

Date:

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85a



Ikota emva kwa ...



Coca ngeliwashi.



Lutsi lolufisha lusandza kwengca yekucala.

Lutsi loludze lume etu kwemizuzu lelishumi nesihlanu.

Sitsi ngukota phasi I.

Sisho kutsi yikota yeli-awa (I5 imizuzu) emva kweli-awa lekucala.



Ngubani sikhatsi?



Lutsi lolufisha lusandza kwengca _____ .

Lutsi loludze lume etu kwa _____ wimizuzu.

Sitsi ngu _____ phasi _____.

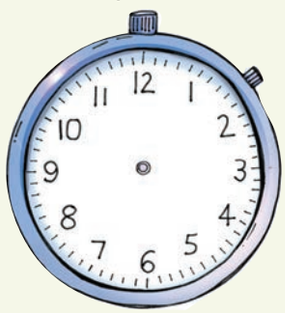


Dvweba lutsi loludze nelutsi lolufisha.

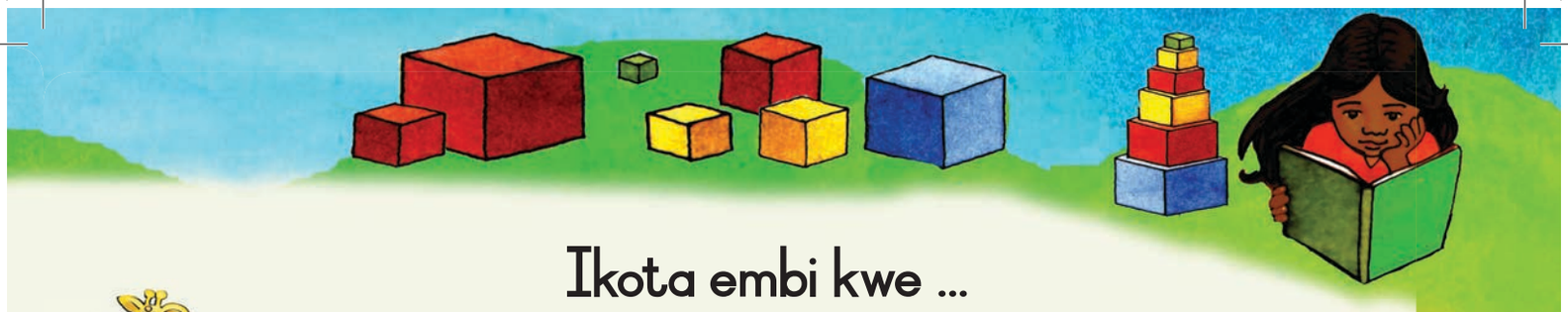
Kota phasi 8.



Kota phasi 3.



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Ikota embi kwe ...



Coca ngeliwashi.



Lutsi lolufisha lume nje embi kweyesitsatfu.

Lutsi loludze lume etu kwemashumi lamane nesihlanu emizuzu.

Sitsi yikota embi kwe yesitsatfu.

Sisho kutsi yikota yeli-awa

(15 imizuzu) embi kweli-awa lesi 3tfu.



Ngubani sikhatsi?



Lutsi lolufisha lume embi kwe _____ .

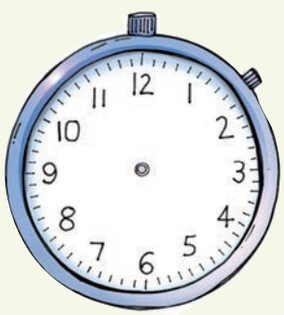
Lutsi loludze lume etukwa _____ wemizuzu.

Sitsi ngu _____ embi kwe _____.



Dvweba lutsi loludze nelutsi lolufisha.

Kota phasi 4.



Kota phasi 8.





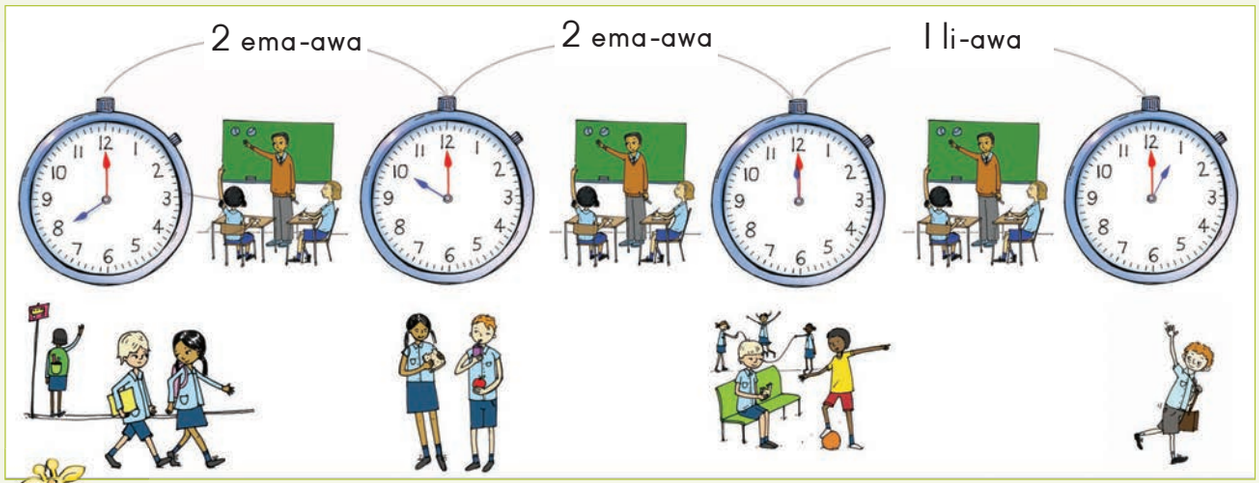
11 12 13 14 15 16 17 18 19 20

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85b

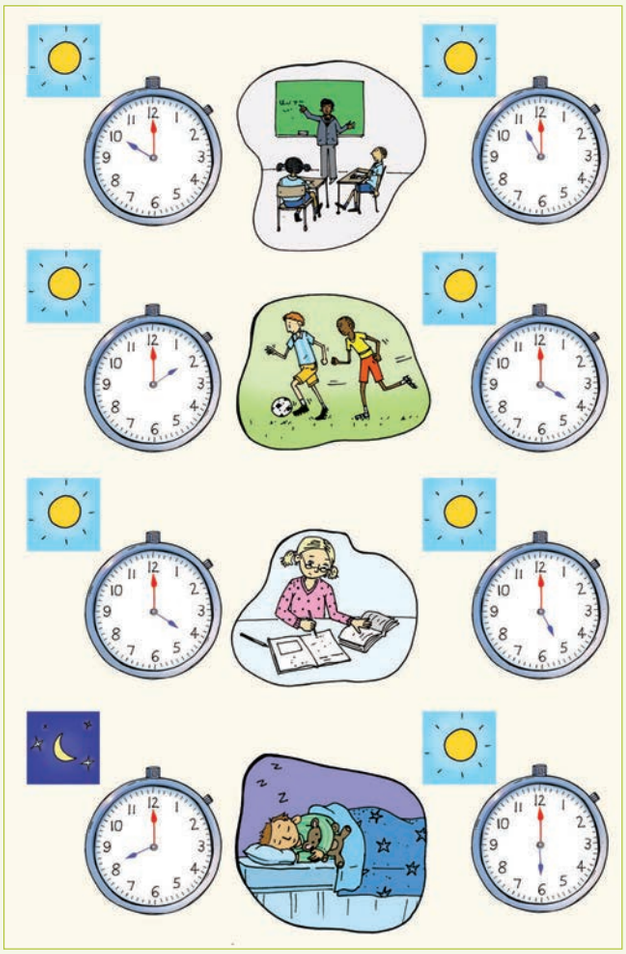
Sikhatsi siyahamba

Lusuku:

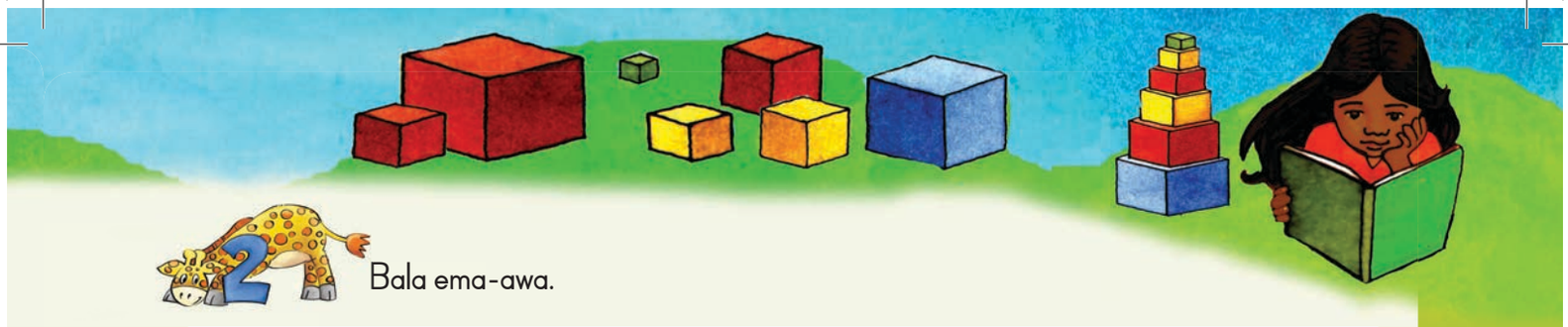




Kutsetse sikhatsi lesinganani kucedzela lomsebenti?



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Bala ema-awa.

Mangaki ema-awa kusuka ku 4 enhloko kuya ku 7 enhloko? _____

Mangaki ema-awa kusuka ku 8 enhloko kuya ku 12 enhloko? _____

Mangaki ema-awa kusuka ku 1 enhloko kuya ku 8 enhloko? _____

Mangaki ema-awa kusuka ku 5 enhloko kuya ku 10 enhloko? _____

Mangaki ema-awa kusuka ku 2 enhloko kuya ku 11 enhloko? _____



Dvweba sitfombe saloku:

Bongi waya ekhabo mngani wakhe nga 10 enhloko ngeMgcibelo ekuseni. Wabuya ekhaya nga 3 enhloko emva kwemadina. Ebehambe ema-awa lamangaki?



John wahamba neyise bayowudweba. Basuka nga 4 enhloko ekuseni babuyela ekhaya nga 10 enhloko ekuseni. Bebahambe ema-awa lamangaki?



11 12 13 14 15 16 17 18 19 20

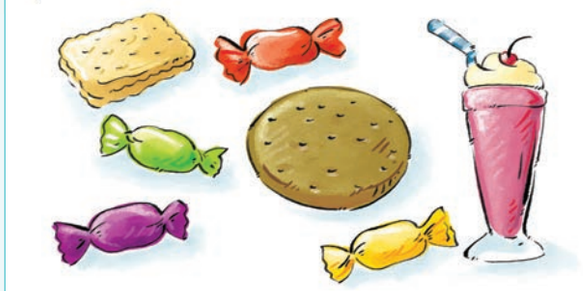
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Imphindza-mbili

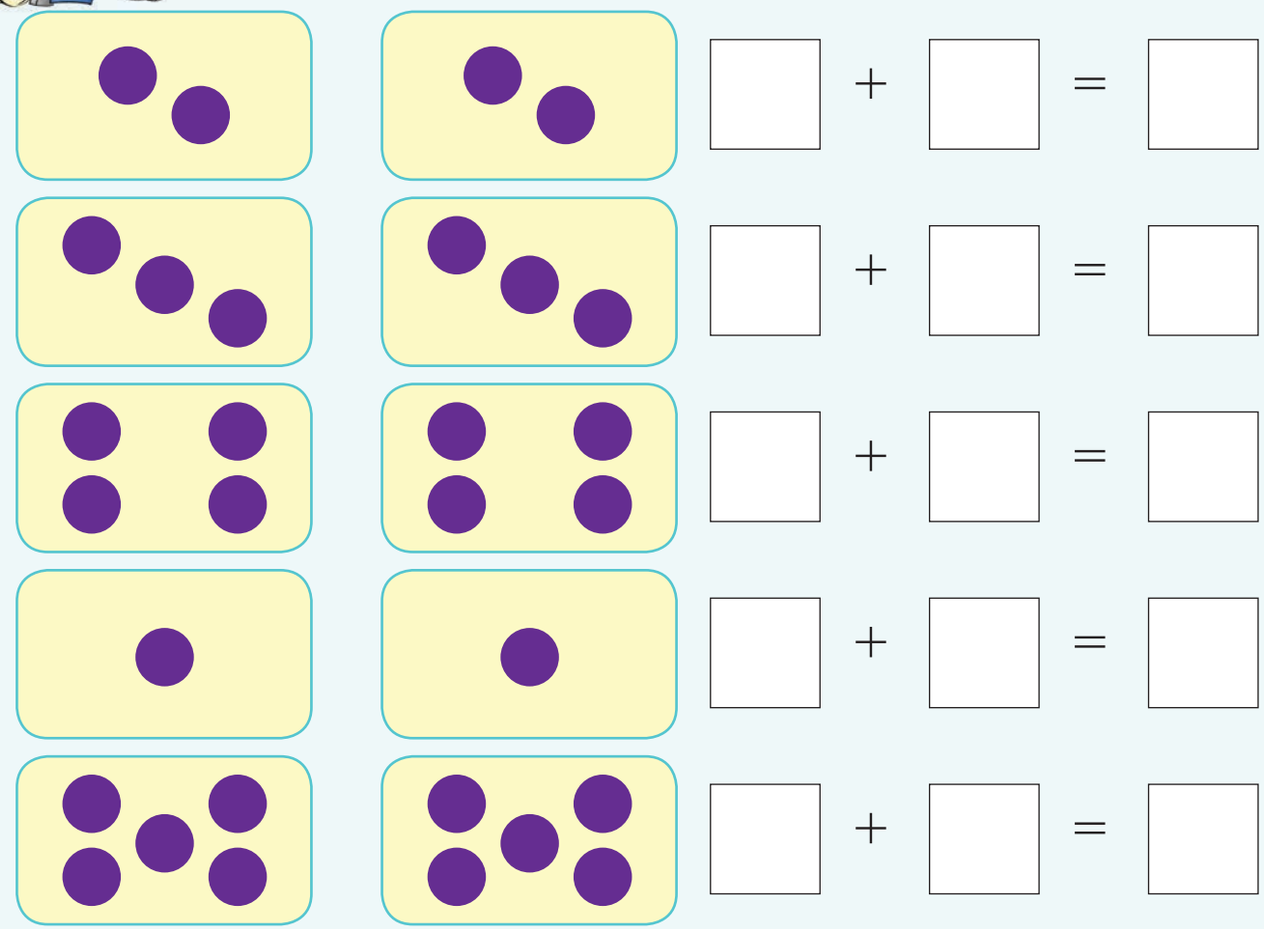
Lusuku:

1 Bukisisa lesitfombe sekucala nesesibili. Yini leyentekile?

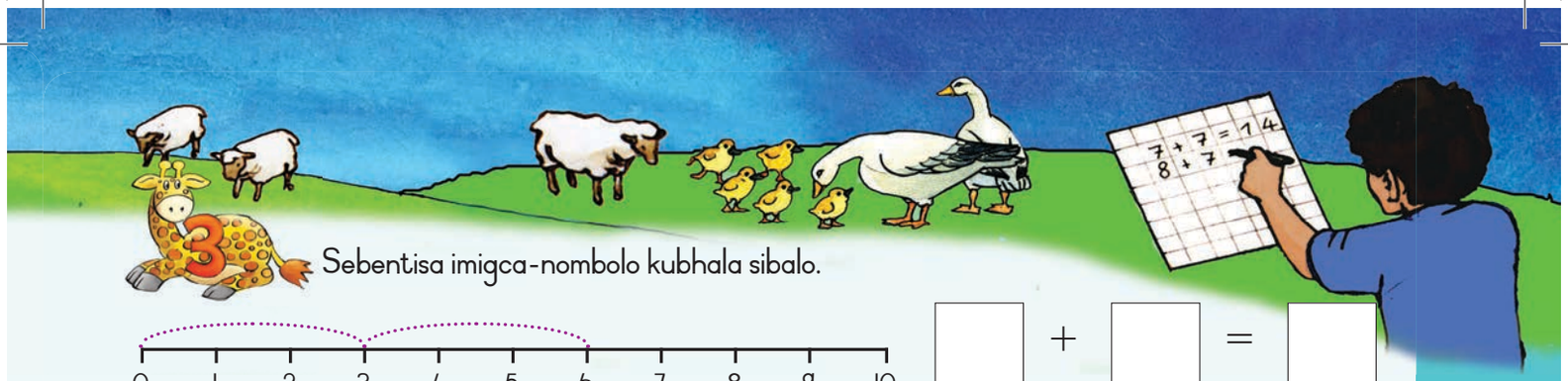




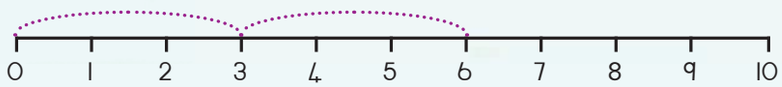
2 Yengeta emacashata, bese ubhala sibalo sakunye.

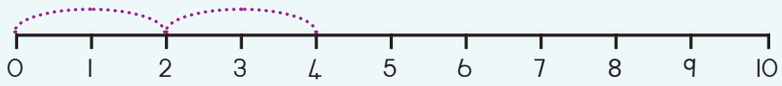


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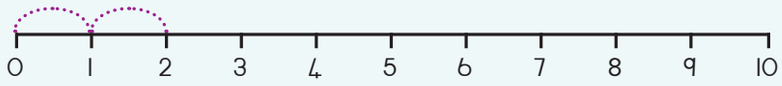


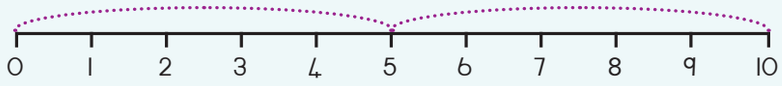
Sebentisa imigca-nombolo kubhala sibalo.











Phindza loku lokulandzelako.

Phindza kabili 1

Phindza kabili 2

Phindza kabili 3

Phindza kabili 4

Phindza kabili 5



2 4 6 8 10 12 14

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87

Kuphindza kabili nekuhhafula

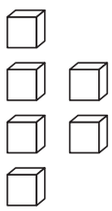
Lusuku:

1 Buka letitfombe letimbili. Yenta yakakho indzaba.



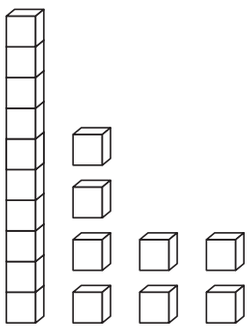


2 Bala letintfo bese ufaka umbala kuhhafu wato.



Bala ☐

Bohhafu ☐



Bala ☐

Bohhafu ☐

3 Cedzela loku lokulandzelako bese wenta umdvwebo.

☐

Imphindza-mbili ya 12 ngu ☐

☐ + ☐

4 Cedzela.

14		8			2	16			9

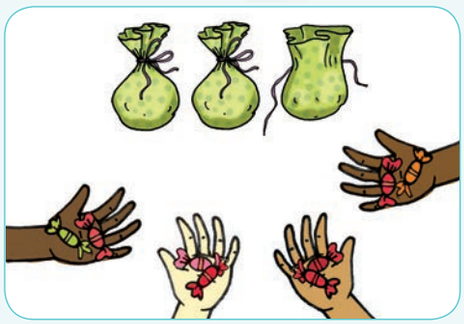
1 2 3 4 5 6 7 8 9 10

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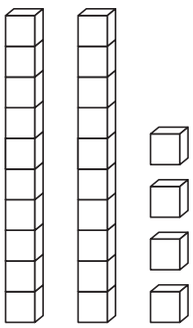
5 Buka letitfombe letimbili. Yenta yakakho indzaba.





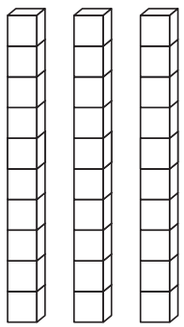
Kuna 10 wemaswidi esikhwameni.

6 Bala letintfo bese ufaka umbala kuhhafu wato.



Bala ☐

Bohhafu ☐



Bala ☐

Bohhafu ☐

7 Cedzela loku lokulandzelako bese wenta umdvwebo.

Imphindza-mbili ya 16 ngu ☐

☐ + ☐

8 Cedzela.

34			36	40
	22	19		

Teacher:
Sign:
Date:

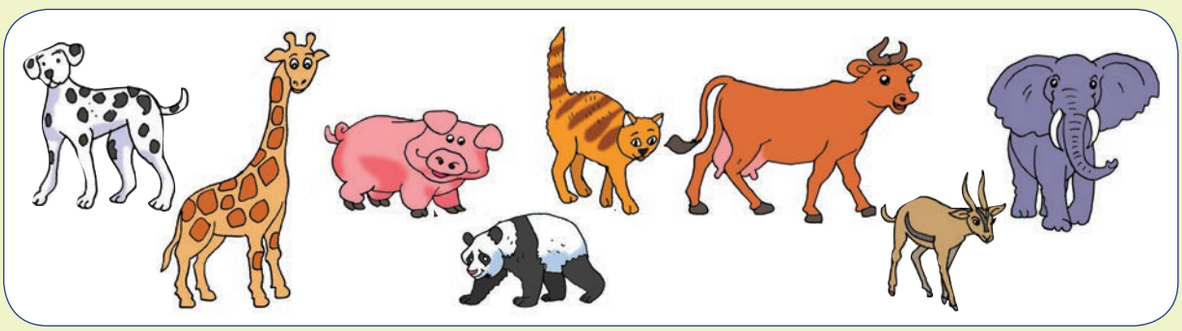
11 12 13 14 15 16 17 18 19 20

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88 Siyachubeka ngekuphindzaphindza

Lusuku:

Tonkhe letilwane tinemilente lemi-4. Tonkhe tilwane tinemehlo lamai-2.



Litsini linani selilonkhe lemilente kulesitfombe? ☐

Litsini linani selilonkhe lemadlebe kulesitfombe? ☐



Buka lesitfombe bese ucedzela loku lokulandzelako:

Tinja

☐ Linani letinja × ☐ Imilente silwane ngasinye = ☐

☐ Linani letinja × ☐ Emehlo silwane ngasinye = ☐

Tilwane tasendle

☐ Linani letilwane × ☐ Imilente silwane ngasinye = ☐

☐ Linani letilwane × ☐ Emadlebe silwane ngasinye = ☐



Cedzela loku lokulandzelako:

4	8	12							
40	36	32							



Cedzela loku lokulandzelako:

5 ×  = ☐ emahhabhula

4 ×  = ☐ bobhanana

6 ×  = ☐ bobhanana

7 ×  = ☐ emahhabhula

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Cedzela loku lokulandzelako:

$14 \times 4 = \square$

10 4 $\times 4$

$= 10 + 4 \times 4$

$= 10 \times 4 + 4 \times 4$

$= 40 + 16$

$= 56$

$15 \times 4 = \square$

10 5 $\times 4$

$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

Bangani lababili badlala ngemasethi lamabili elitiya. Emva kwekudlala bayawahlunga. Badzingani kuba netinombolo letifana ncwe isethi ngayinye?



Cedzela loku lokulandzelako:

Yaba 19 wetimabula ngekulingana emkhatsini wa 4 webantfwana.

Umntfwana ngamunye utfola ☐

Umsalela ☐

Yaba 22 wemapeniseli ngekulingana emkhatsini wa 4 webantfwana.

Umntfwana ngamunye utfola ☐

Umsalela ☐

Dvweba titfombe kukhombisa timphendvulo takho.

Yaba 23 wetincwadzi emkhatsini wa 4 webantfwana.

Umntfwana ngamunye utfola ☐

Umsalela ☐

Yaba 15 wetincwadzi emkhatsini wa 4 webantfwana.

Umntfwana ngamunye utfola ☐

Umsalela ☐

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

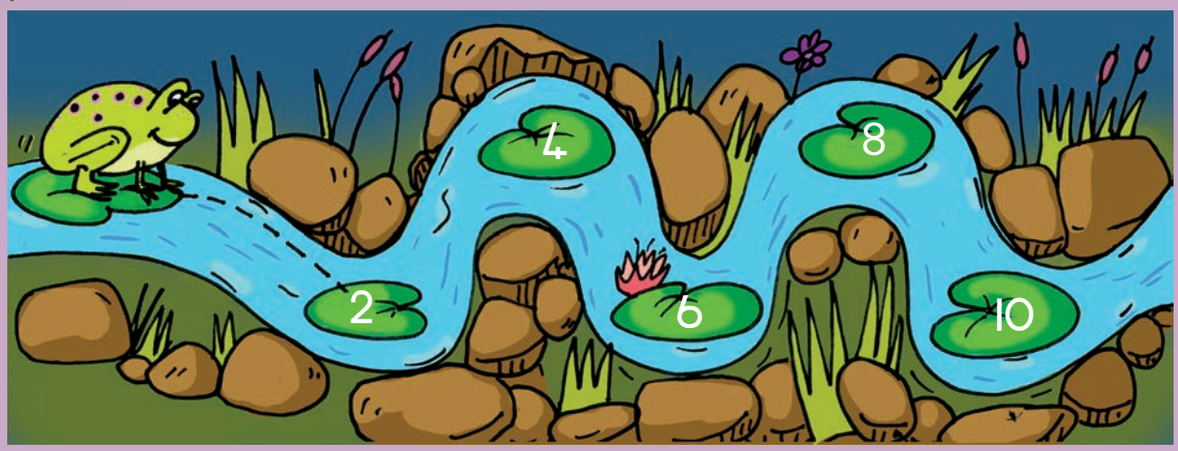
SIS MAT G2 B2 9781431501441.indb 53 2014/07/04 3:30 AM

89

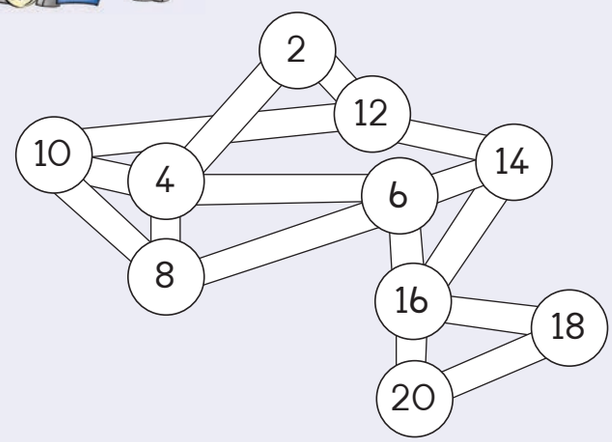
Emaphethini etinombolo

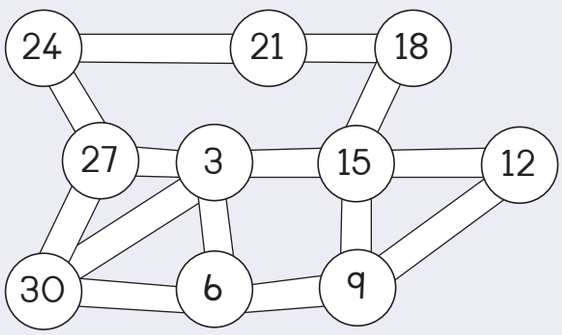
Lusuku:

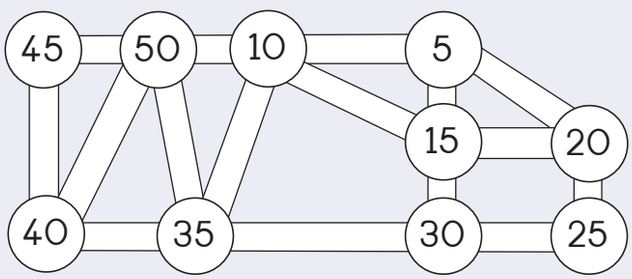
1 Itaba yini inombolo ekhasini lelilandzelako?

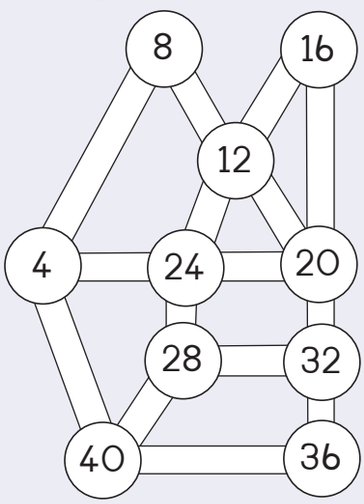


2 Tfola lephethini. Dvweba lendlela, ucale ngenombolo lencane kakhulu.









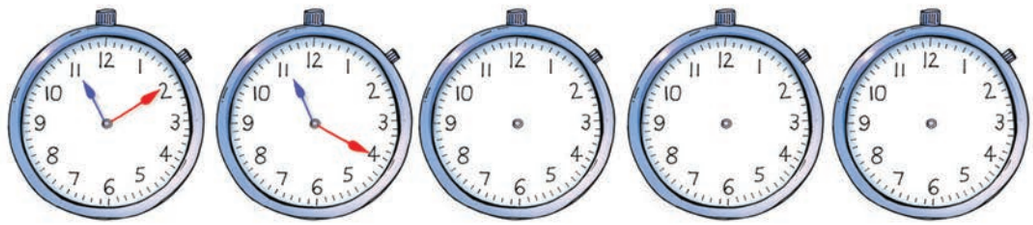
SIS MAT G2 B2 9781431501441.indb 54 2014/07/04 3:30 AM



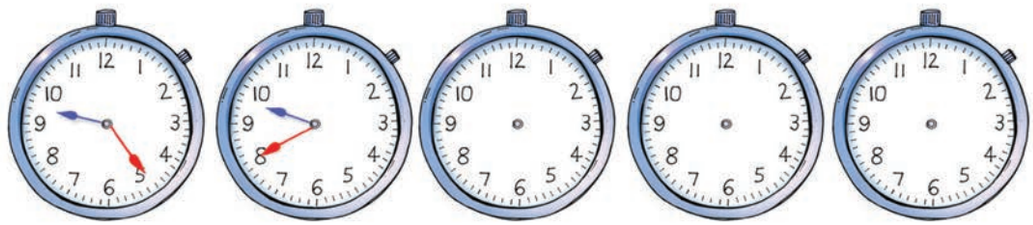
Dvweba tintsi emawashini ucedzele iphethini yetikhatsi.



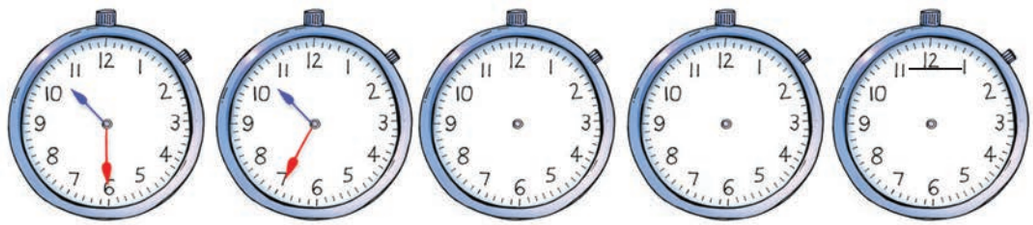
4:20 4:25 ___:___ ___:___ ___:___



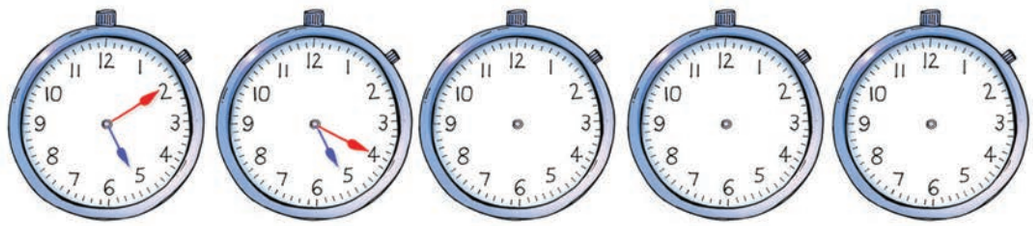
11:10 11:20 11:30 ___:___ ___:___



9:25 9:40 9:55 ___:___ ___:___



10:30 10:35 10:40 ___:___ ___:___



5:10 5:20 5:30 ___:___ ___:___

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

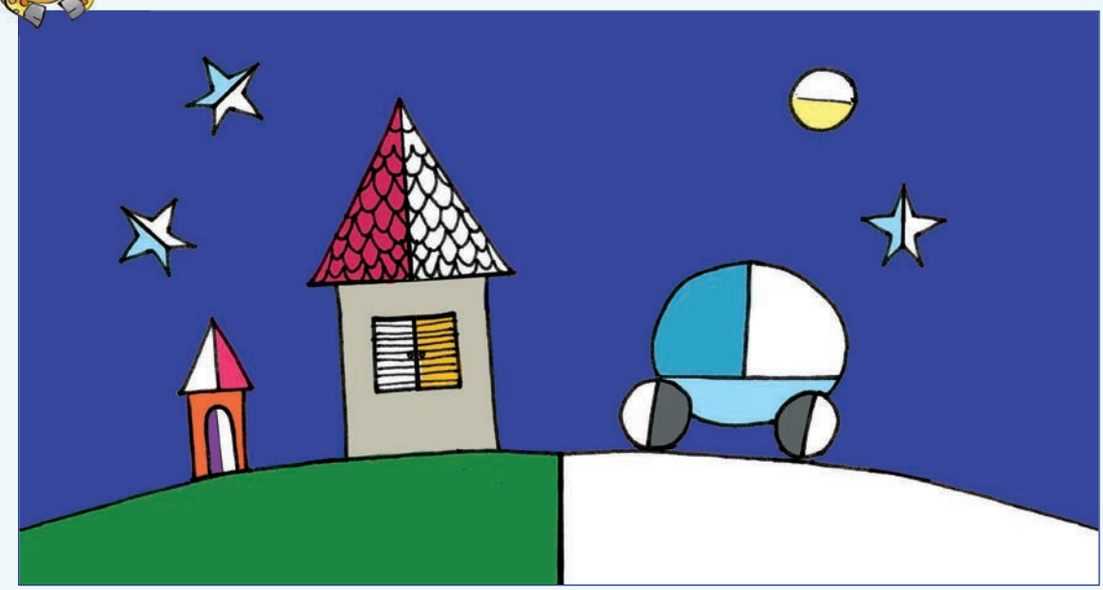
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90

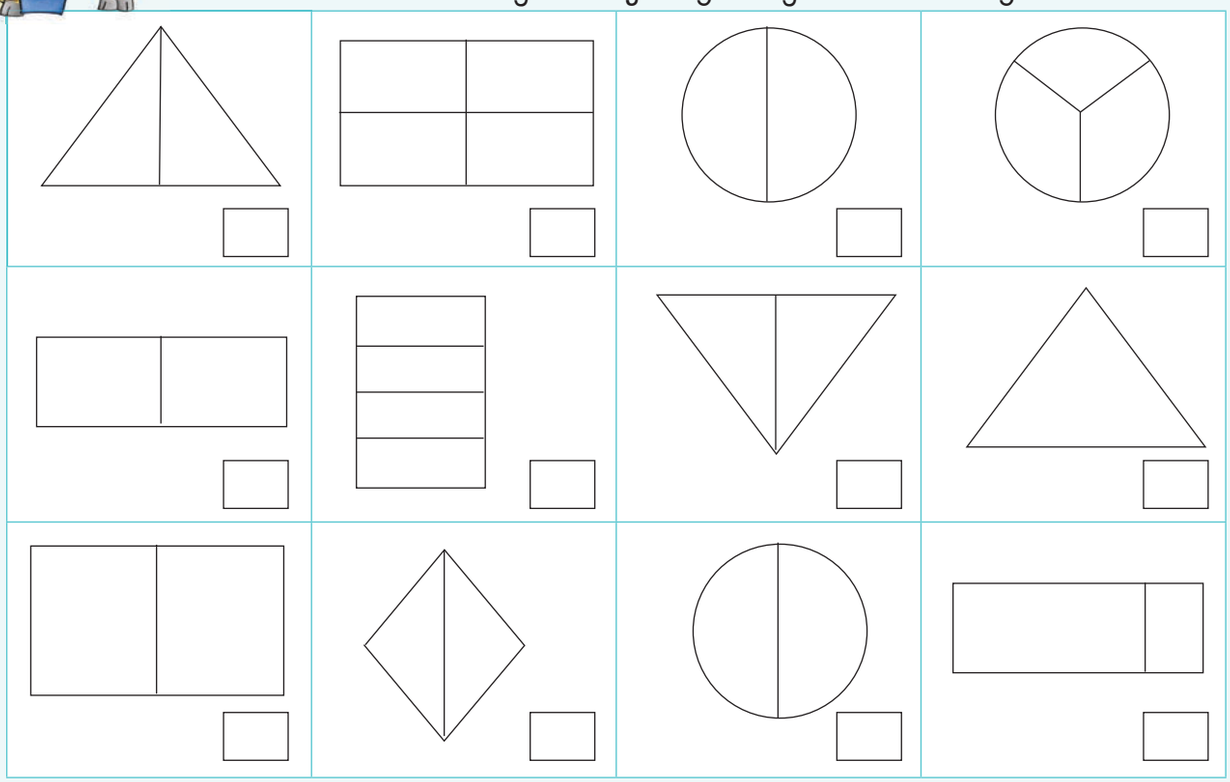
Lusuku:

Emafrakishini – bohhafu

1 Buka lesitfombe. Faka umbala munye kubohhafu ngabanye.



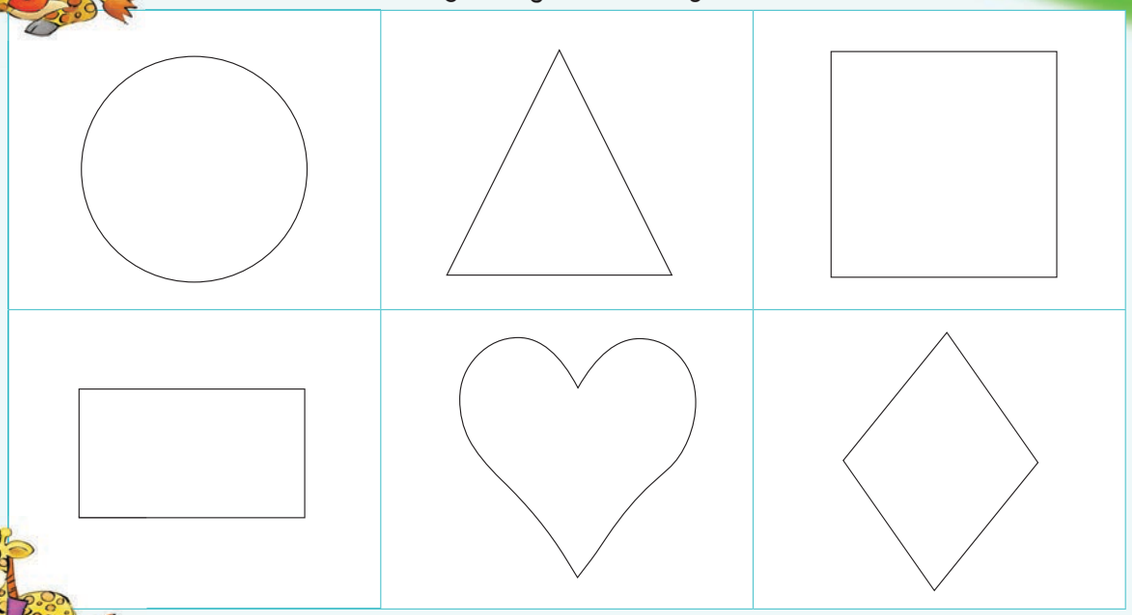
2 Buka lesitfombe. Faka luphawu ✓ kulabobunjwa labakhombisa bohhafu.
Faka umbala kuhhafu munye wabunjwa ngamunye lohlukaniswe ngabohhafu.



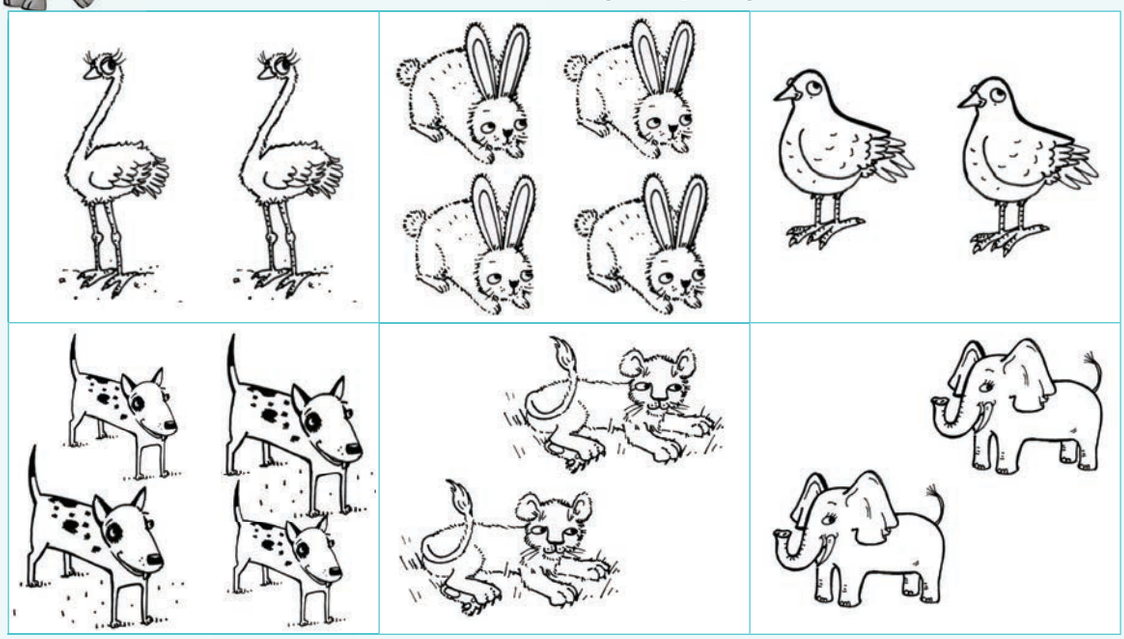
SIS MAT G2 B2 9781431501441.indb 56 2014/07/04 3:30 AM



3 Faka umbala kuhhafu ngamunye kulabobunjwa.



4 Faka umbala kuhhafu wetilwane esibayeni ngasinye.



hhafu hhafu hhafu

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

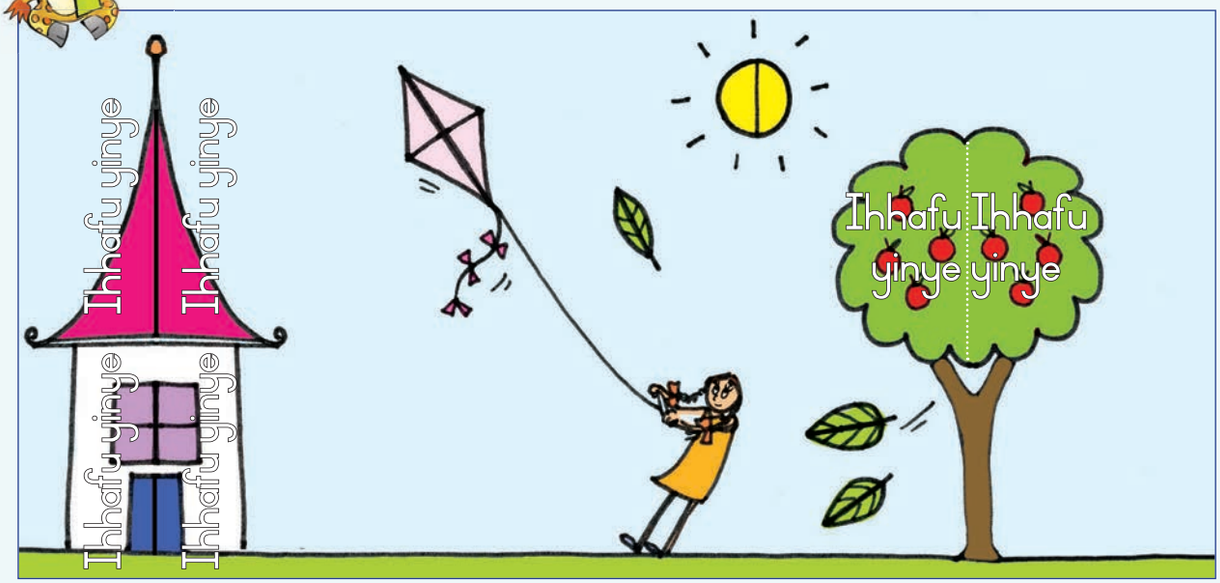
SIS MAT G2 B2 9781431501441.indb 57 2014/07/04 3:30 AM

91

Lusuku:

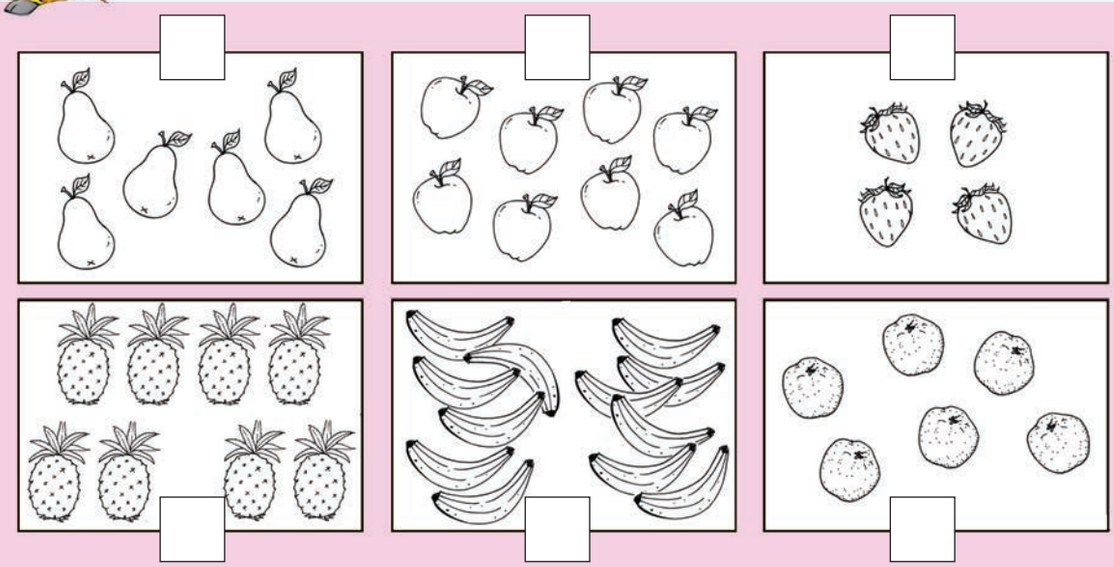
Emafrakishini – siyachubeka ngekuphindzaphindza

1 Buka lesitfombe. Usho kutsini ihhafu yinye?



2 Ihhafu yinye yemahhabhula esihlahleni ngu ☐ .

3 Faka umbala kuhhafu wesitselo esibayeni ngasinye.
Uyini hhafu welinani letitselo esibayeni ngasinye?

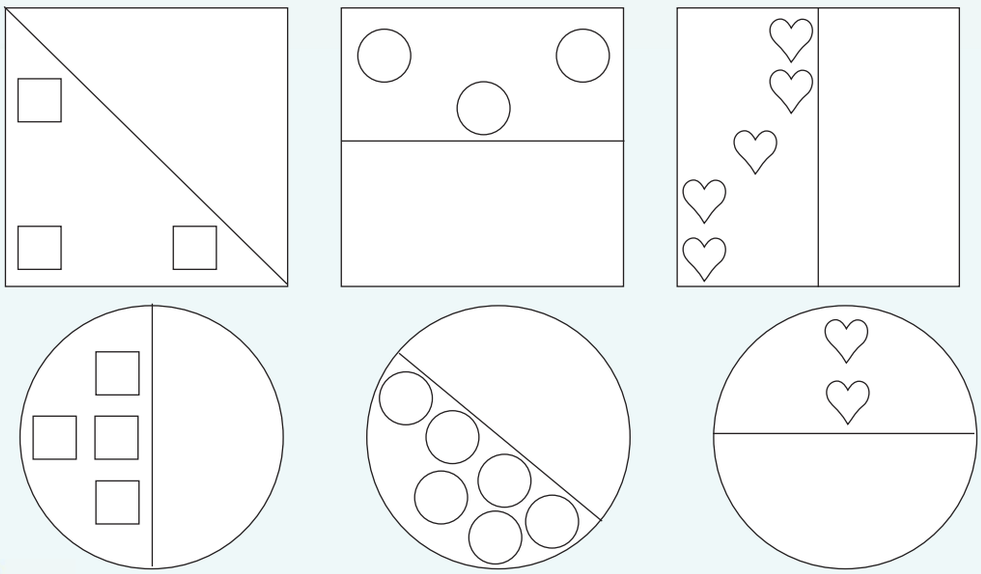


1 2 3 4 5 6 7 8 9 10

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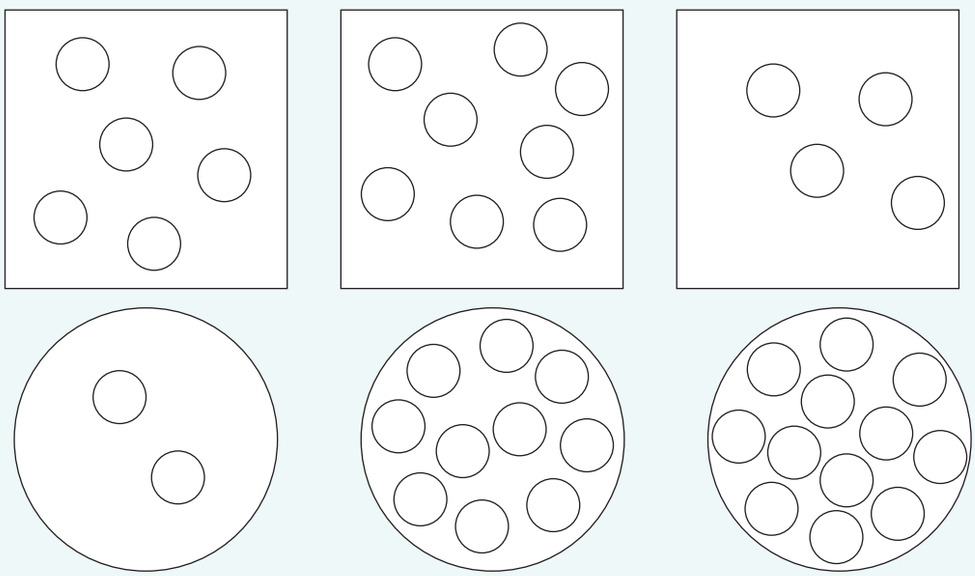


Dvweba lona lomunye hhafu.





Faka umbala kuhhafu wabobunjwa.





hhafu hhafu hhafu

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

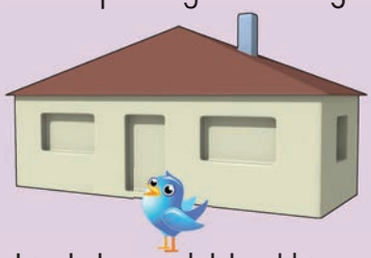
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Lusuku:

Sikhundla nelicala

Ime kuphi lenyoni? Lamagama atakusita.



Licala langembili lesakhiwo.



Licala laseceleni lesakhiwo.

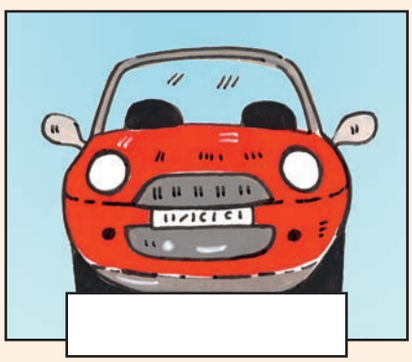


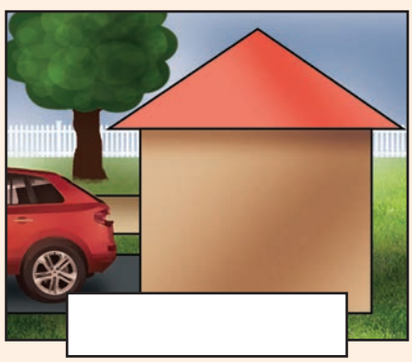
Licala langetulu lesakhiwo.



Lomuntfu bekeme kuphi nakabona loku?



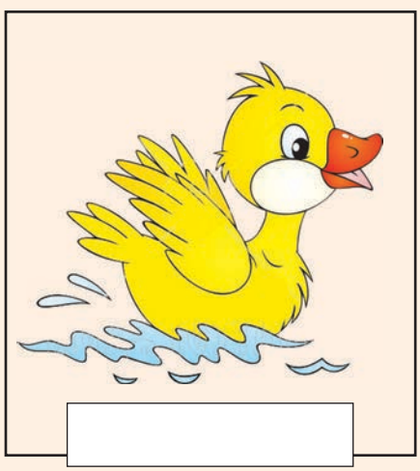




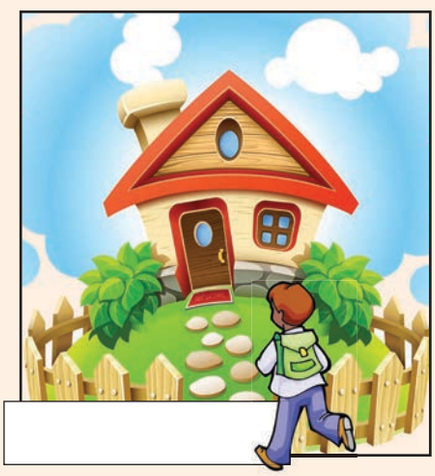


Bhala lamagama esitfombeni. Ubonani lomuntfu?

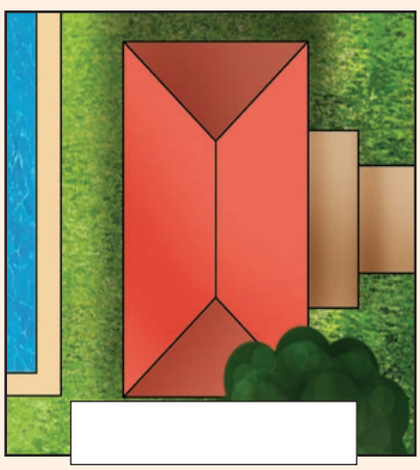
licala langembili



licala langetulu



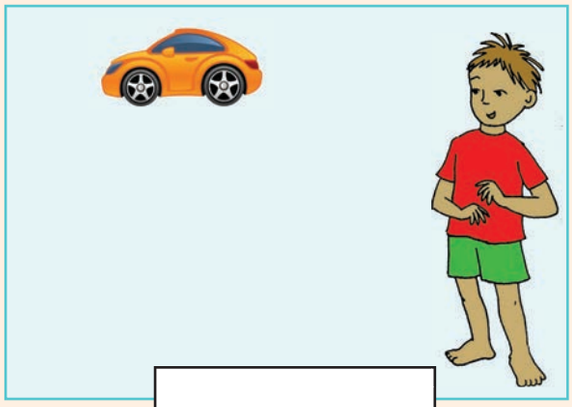
licala laseceleni



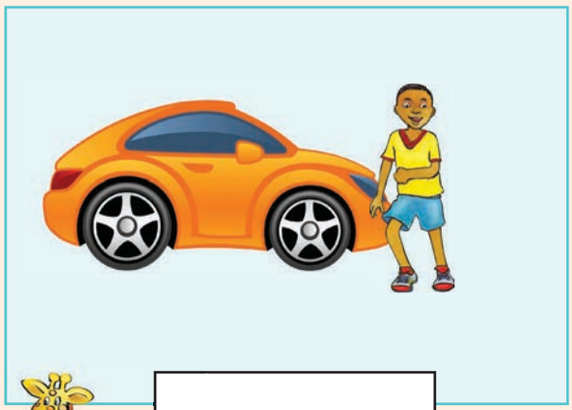
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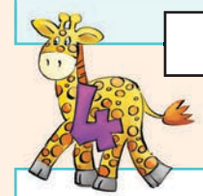
Shano kutsi ngabe lemoto isedvute noma ikhashane nemfana.











Dvweba sihlahla madvute nakudze nalentfombatana.



madvute

kudze





Yenta lomsebenti:

- Buka noma ngutiphi tintfo ngemehlo omabili. Ubonani?
- Vala linye liso ngesandla sinye nyalo-ke ubonani?

Teacher:
Sign:
Date:

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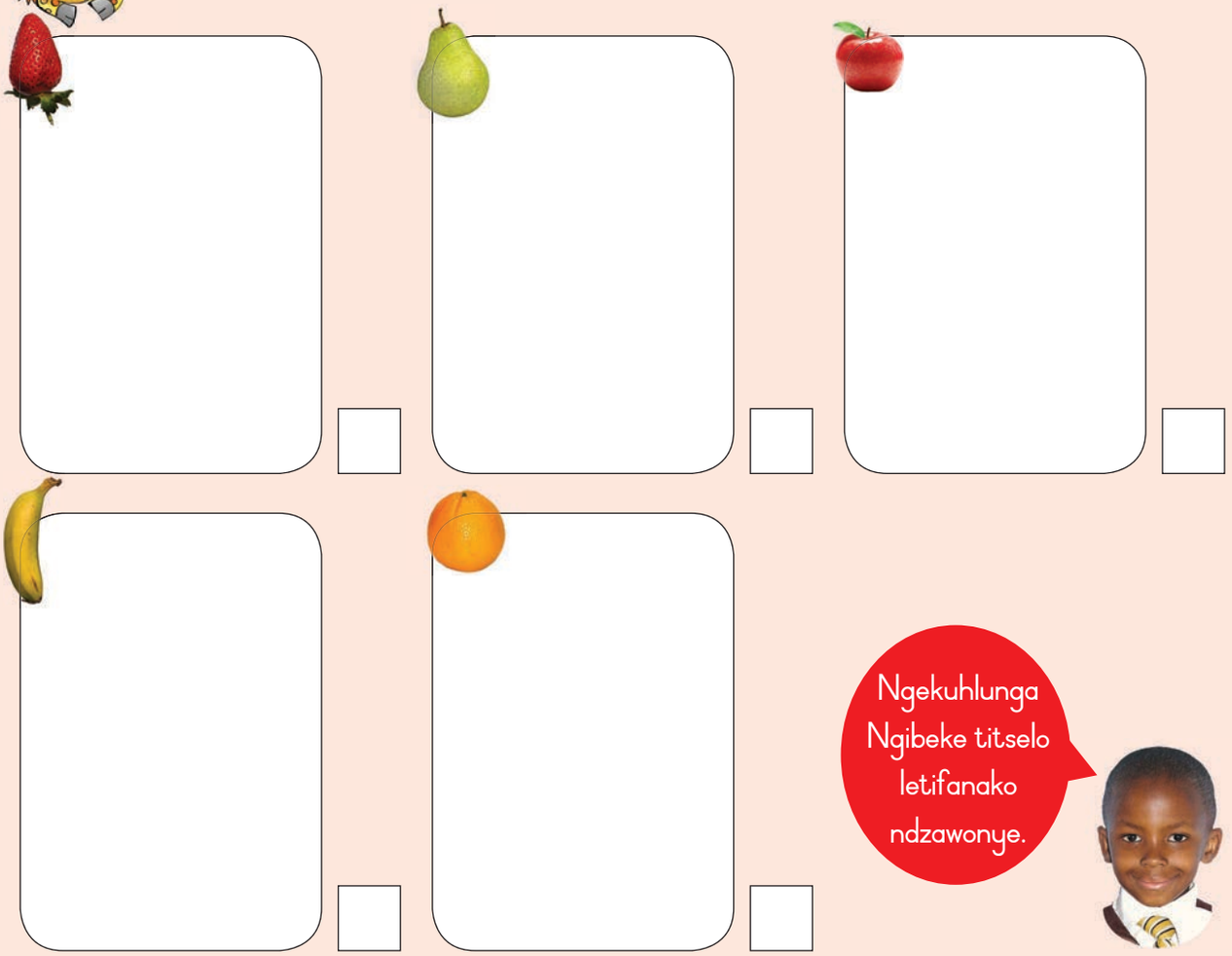
93

Imininingwane siyachubeka futsi

Lusuku:



Hlunga uhlele letitselo. Yenta wakho umdvwebo kukhombisa loku.
Bhala samba (ithothali) ebhokisini.



Ngekuhlunga Ngibeke titselo letifanako ndzawonye.

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Dvweba sitfombe-mdvwebo saletitselo letihlungekile.

INKHOMBA:



Buka letitselo bese uphendvula lemibuto.

Phendvula lemibuto:

Ngusiphi sitselo lesinaso kakhudlwana?

Ngusiphi sitselo lesinaso kancane?



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94a

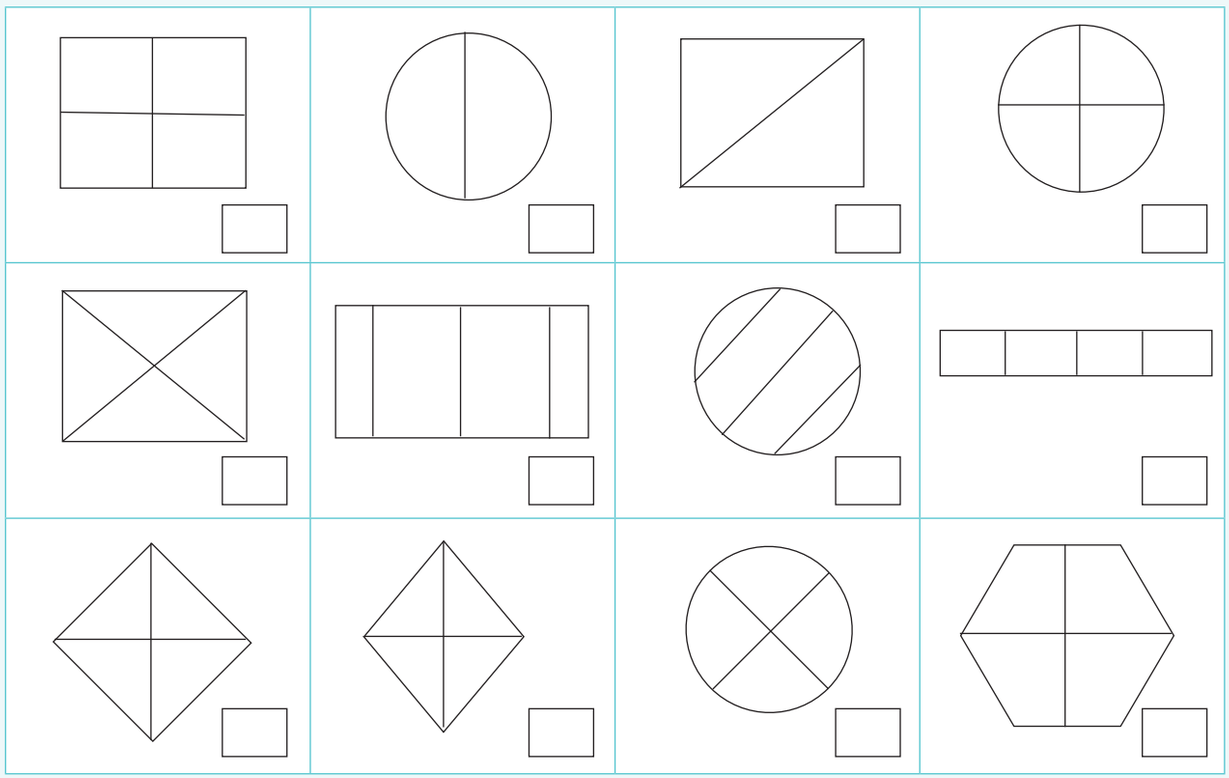
Lusuku:

Emafrakishini – emakota

1 Faka umbala lofanako ekoteni yekugcina.



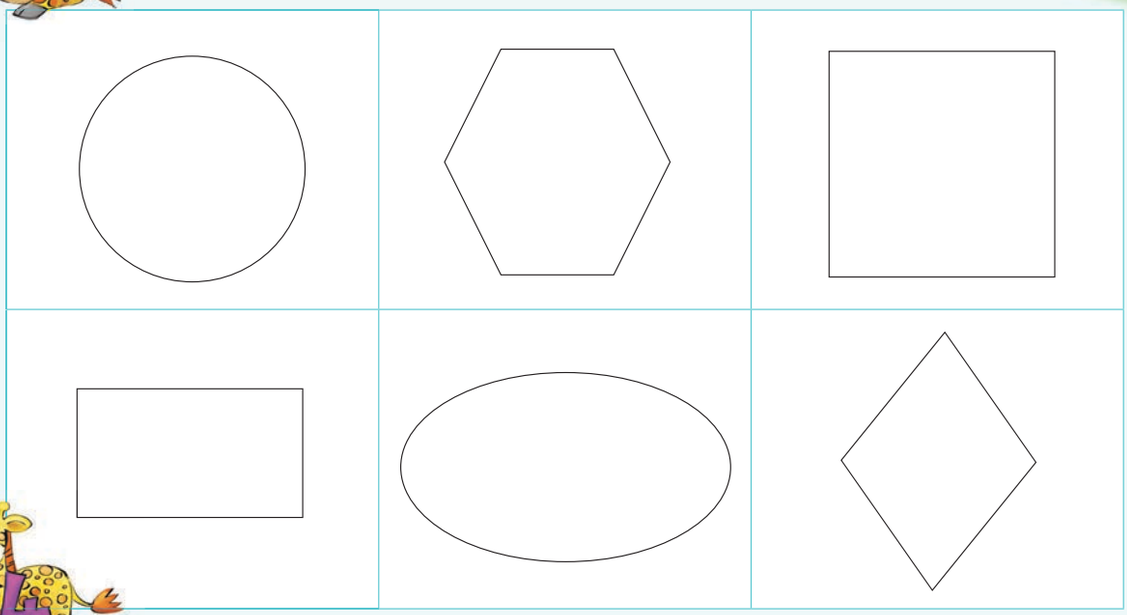
2 Faka luphawu (✓) kulabobunjwa labakhombisa emakota.
Faka umbala ekoteni yinye yabunjwa ngamunye lohlukaniswe ngemakota.



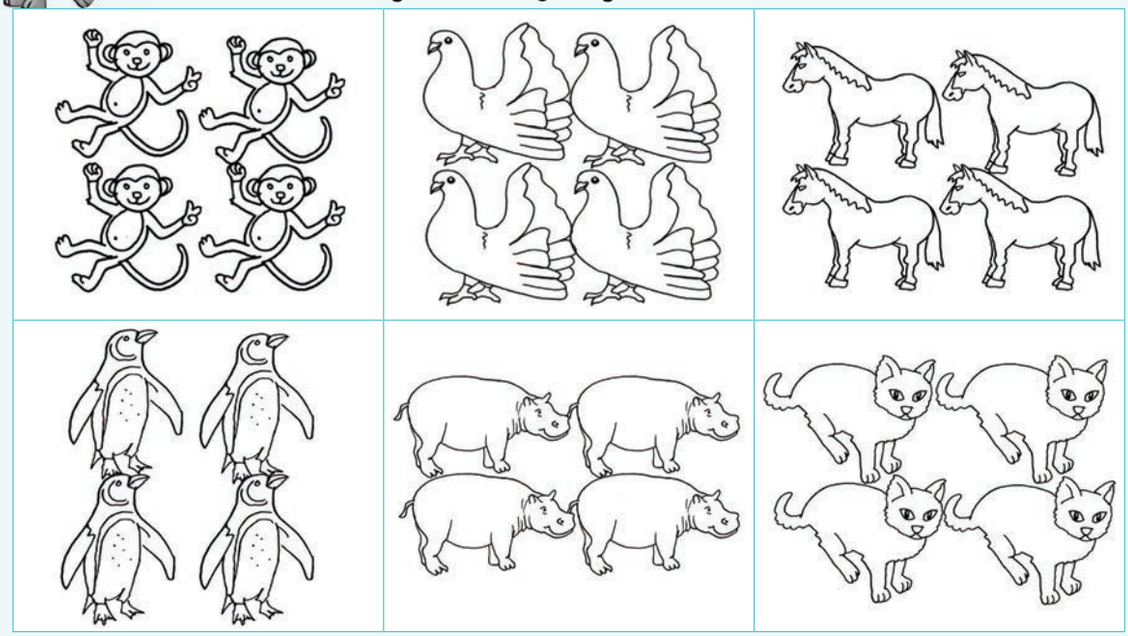
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3 Faka umbala ekoteni yabunjwa ngamunye.



4 Faka umbala ekoteni yesicumbi ngasinye setilwane.



ikota ikota ikota

Teacher:
Sign:
Date:

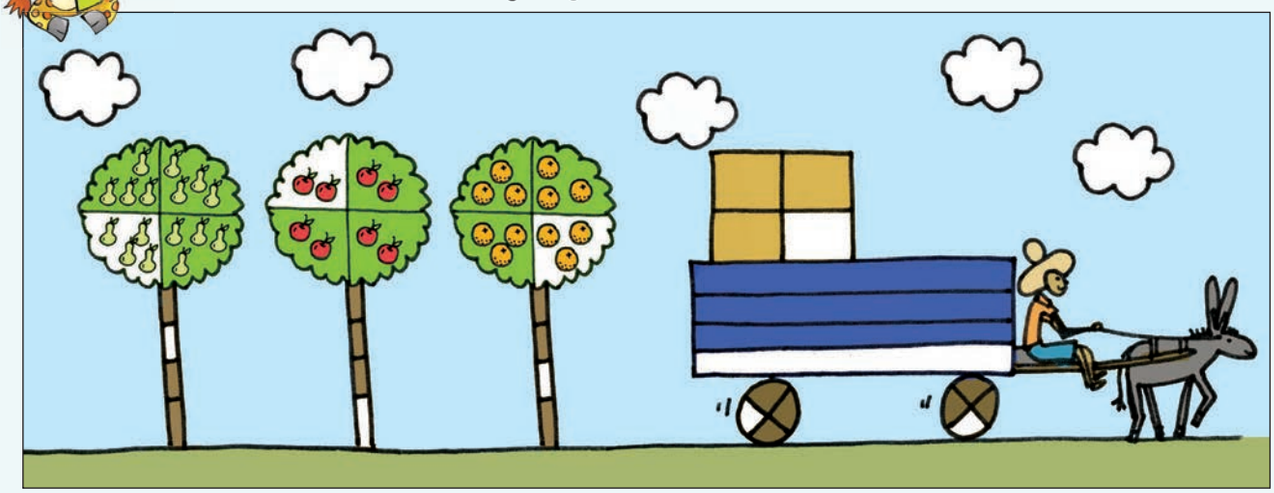
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Lusuku:

Emafrakishini – siyachubeka ngemakota

1 Faka umbala lofanako ekoteni yekugcina.



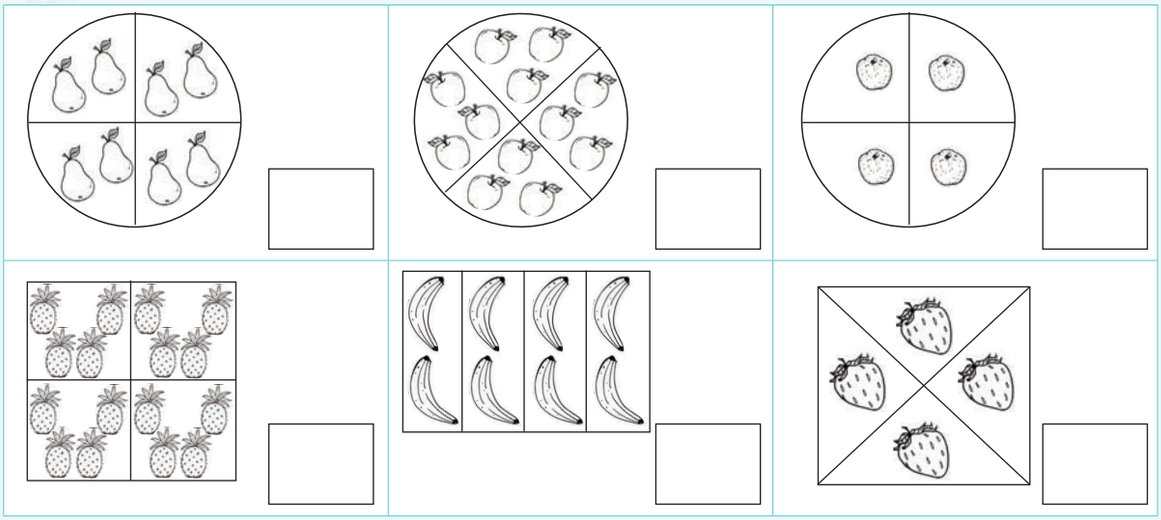
2 Phendvula lemibuto lelandzelako:

ikota yinye yemapheya esihlahleni ngu _____.

ikota yinye yemahhabhula esihlahleni ngu _____.

ikota yinye yema-orintji esihlahleni ngu _____.

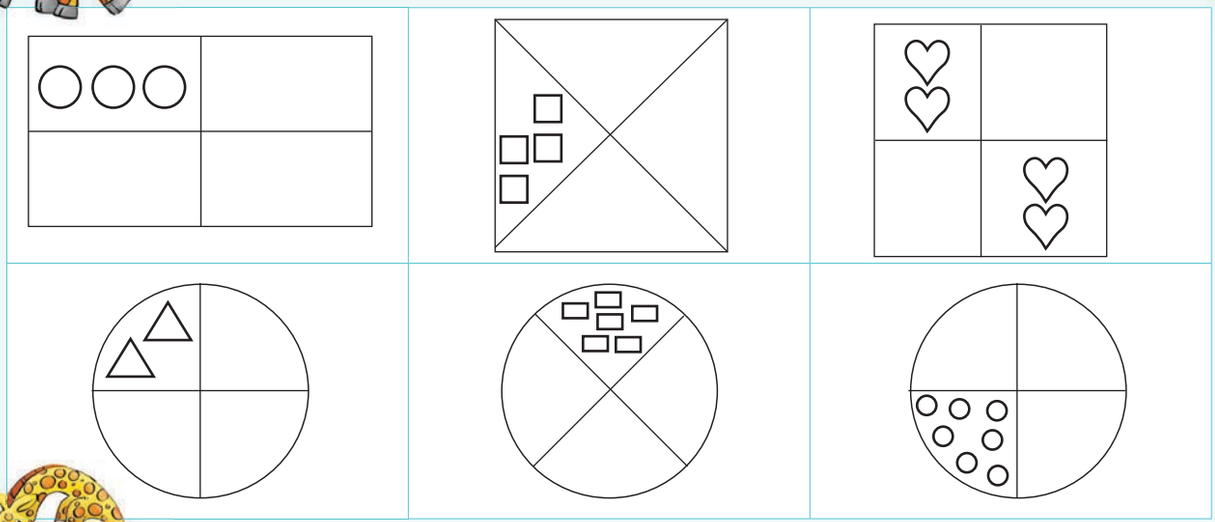
3 Faka umbala kukota yinye yesitselo kulelo nalelo cembu.
Iyini ikota yelinani letitselo esicumbini ngasinye?



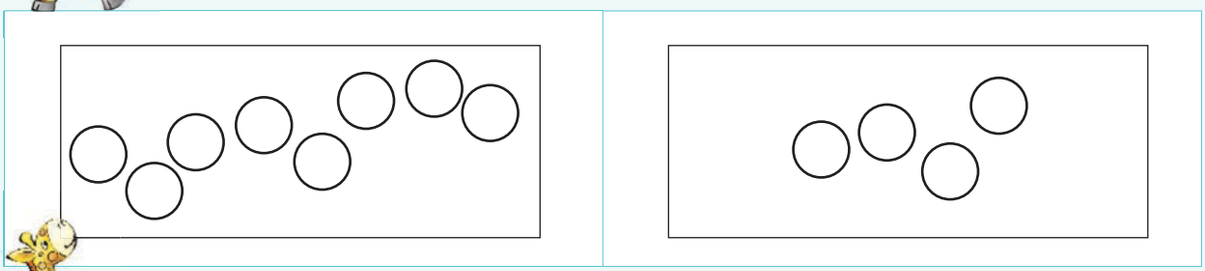
SIS MAT G2 B2 9781431501441.indb 66 2014/07/04 3:30 AM



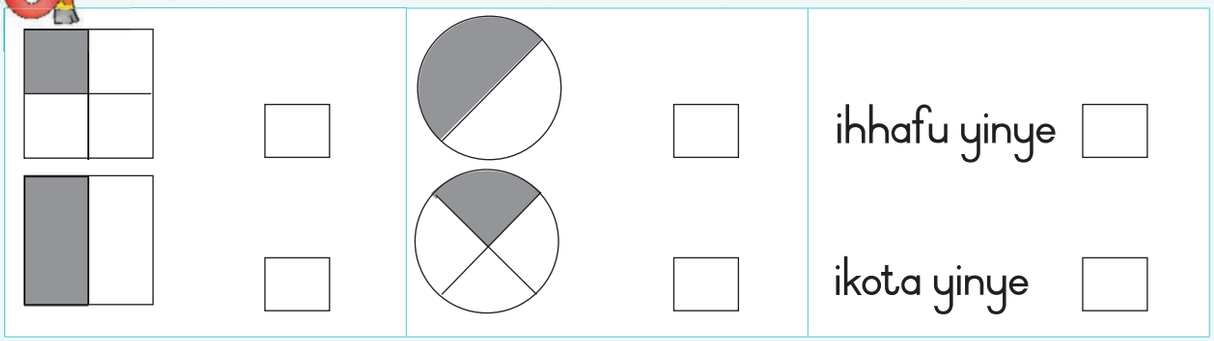
4 Dvweba bobunjwa labanye kwenta ikota ngayinye ilingane nalamanye.

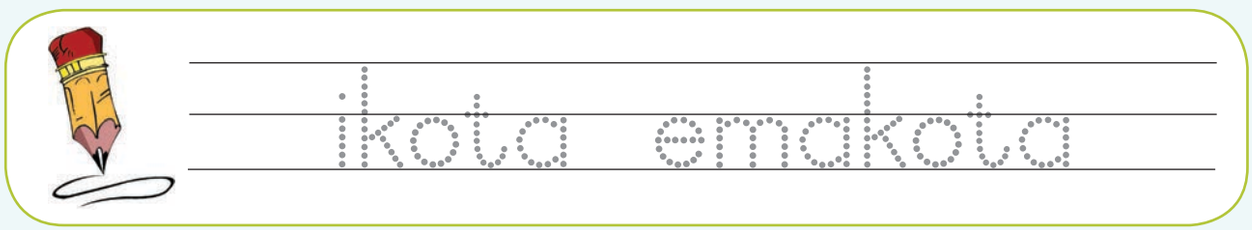


5 Khombisa ikota yinye yabunjwa ngamunye.



6 Nguyiphi lenkhudlwana? Faka luphawu (✓) emphendvulweni lengiyo.





11 12 13 14 15 16 17 18 19 20

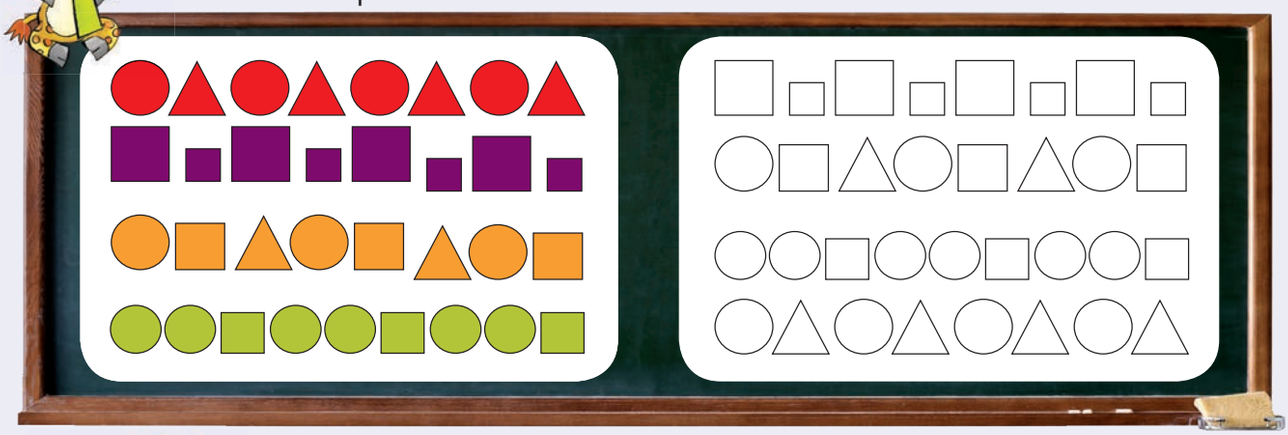
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Emaphethini etinombolo nabobunjwa

Lusuku:

1 Condzanisa lephethini.



2 Kopa lephethini lelandzelako.

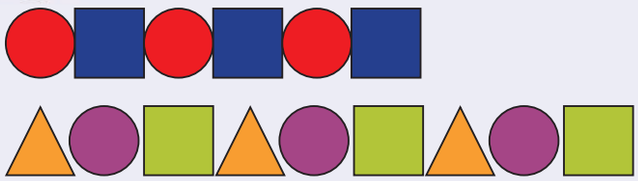
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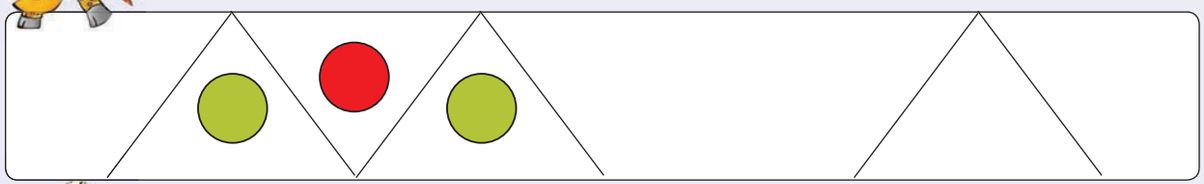
3 Faka umbala kulephethini lelandzelako.



4 Dvweba iphethini lelandzelako.

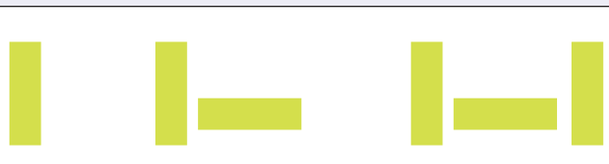


5 Chubekisa lephethini.



6 Dvweba iphethini lelandzelako.





7 Dvweba yakakho iphethini.

Teacher:

Sign:

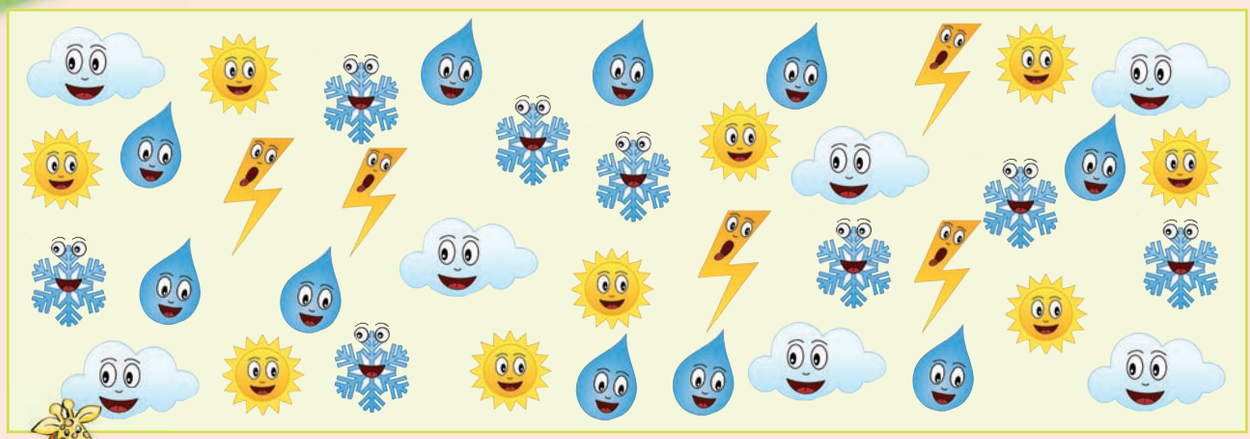
Date:

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Lusuku:

Kuhlunga imininingwane



Hlunga letinkhomba tesimo selitulu. Yenta wakho umdvwebo.
Bhala samba (ithothali) ebhokisini.

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Dvweba sitfombe-mdvwebo wesimo selitulu sakho lesihlungiwe.

INKHOMBA:



Buka letinkhomba bese uphendvula lemibuto. Phendvula lemibuto lelandzelako:

Sibe netinsuku letinengi letibalele noma tibe tinengi letisibekele?

Ucabanga kutsi ngusiphi sikhatsi semnyaka lesi?

Usho ngani?

Ngabe lesimo sitawufana kuto tonkhe tifundza yini?

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

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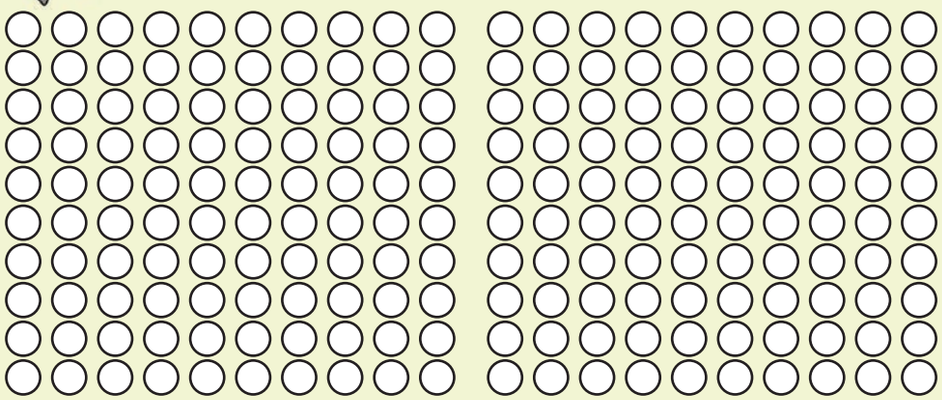


Lusuku:

Tinombolo 150 – 180



Faka umbala ku 172 wetindilinga.





Bhala umusho nombolo wa:

1 0 0 / 5 0 / 8 100 + 50 + 8 = 158	1 0 0 / 5 0 / 9 =	1 0 0 / 7 0 / 2 =
1 0 0 / 5 0 =	1 0 0 / 6 0 / 7 =	1 0 0 / 5 =



Ngutiphi tinombolo letita emkhatsini:

150 na 158 _____

172 na 177 _____

180 na 175 _____

160 na 155 _____

165 na 160 _____

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Niketa tinombolo tibe timbili letingephasana natimbili letingetulu kwalenombolo leniketiwe.

Ngaphasi		Inombolo	Ngetulu	
		157		
		165		
		178		
		161		
		174		

Cedzela lemigca-tinombolo:

150	151		153			156				160
180	179	178								
166	167					172			175	176

Sika kahle tinombolo letintsatfu emkhatsini wa 150 na 180 kumagazini noma liphephandzaba. Tinameke lapha kusuka kulenkhulukati kuya kulencane kakhulu.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

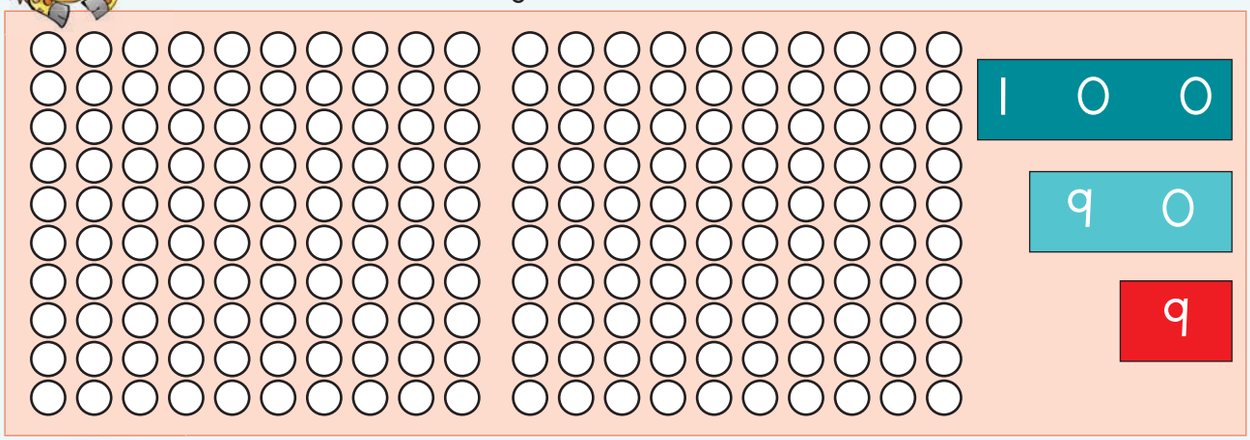
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Inombolo 170 – 200

Lusuku:

1 Faka umbala ku 199 wetindilinga.



2 Bhala inombolo ya:

1 0 0 / 7 0 / 7 100 + 70 + 7 = 177	1 0 0 / 9 0 / 3 =	1 0 0 / 8 0 / 1 =
1 0 0 / 9 0 / 5 =	1 0 0 / 9 0 / 9 =	1 0 0 / 7 0 / 9 =

3 Ngutiphi tinombolo letita emkhatsini wa:

170 na 175 _____

198 na 195 _____

180 na 175 _____

168 na 173 _____

200 na 196 _____

1 2 3 4 5 6 7 8 9 10

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Niketa tinombolo tibe timbili letingephasana natimbili letingetulu kwalenombolo leniketiwe.

Kuncane		Inombolo	Kukhulu	
		170		
		198		
		185		
		174		
		181		

Cedzela lemigca-nombolo.

170 171 172 ☐ ☐ ☐ ☐ ☐ ☐ ☐ 180

175 176 177 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

190 ☐ 192 193 194 ☐ ☐ ☐ ☐ 199 200

Sika kahle tinombolo letintsatfu emkhatsini wa 170 na 200 kumagazini noma liphephandzaba. Tinameke lapha kusuka kulenkhulukati kuya kulencane kakhulu.

Teacher:
Sign:
Date:

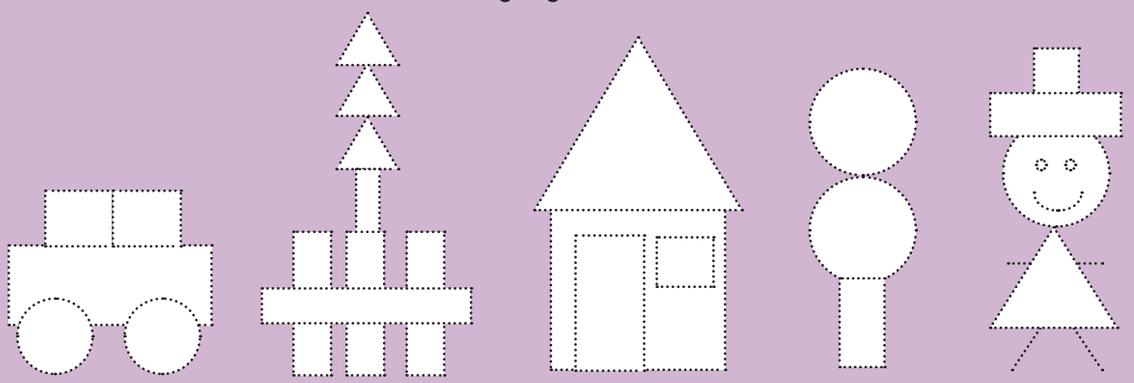
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Bobunjwa be 2-D

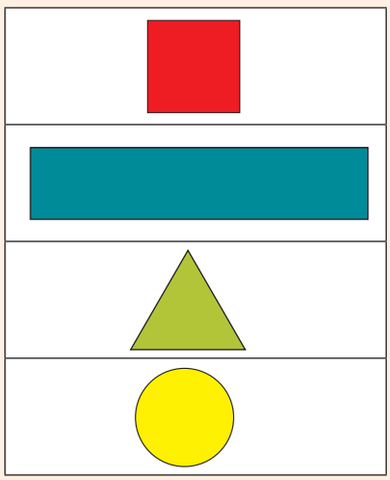
Lusuku:

Tsatsisa bonkhe bobunjwa. Faka umbala lobovu kuto tonkhe tindilinga, loluhlata kubocalantsatfu, lomtfubi kutikwele nalolingangane kubocalandze.





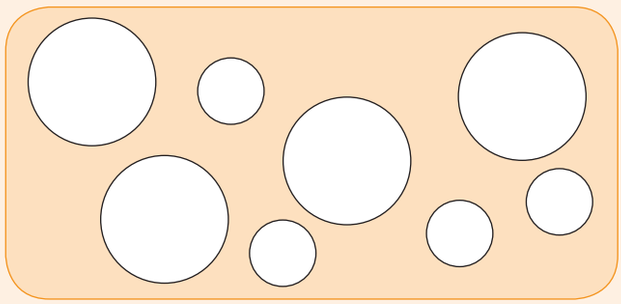
Faka ligama lihambisane nabunjwa.



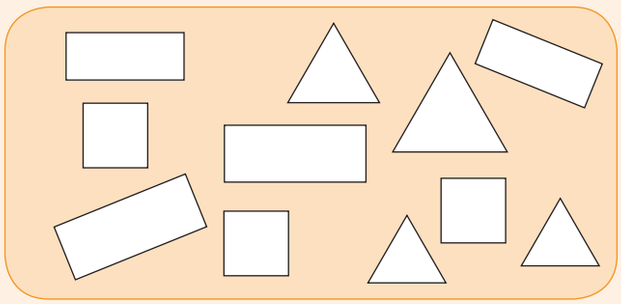
calantsatfu
indilinga
sikwele
calandze



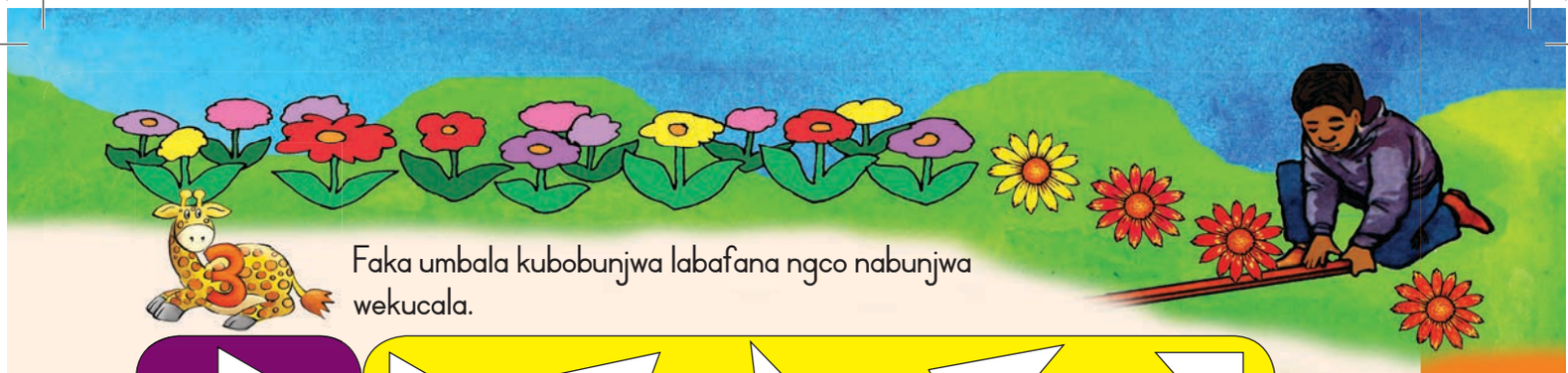
Faka umbala:
- Lobovu tindilinga letinkhulu
- Lomtfubi tindilinga letincane



Faka umbala:
- Lobovu bocalandze labakhulu
- Lomtfubi bocalandze labancane



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Faka umbala kubobunjwa labafana ngco nabunjwa wekucala.

Dvweba sitfombe sakho usebentisa kuphela tikwele, bocalandze, bocalantsatfu netindilinga.

Sika emaphepha lamadzala wakhe sitfombe sakho usebentisa tikwele, bocalandze, tindilinga nabocalantsatfu.

Teacher:
Sign:
Date:

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Lusuku:

Tinombolo 0 – 200



Tingaki tinombolo letehlukene longatakha?

100	40	2	50	9
100	100	20	1	70
8				



Cedzela loku lokulandzelako.

100 + 40 + 9 =	100 + 70 + 3 =	100 + 20 + 8 =
100 + 10 + 7 =	100 + 90 + 2 =	



Gcwalisa lamabhokisi late lutfo usebentisa emakhulu, emashumi nabonhlavunye kucedzela letibalo.

181 = ☐ + ☐ + ☐

144 = ☐ + ☐ + ☐

135 = ☐ + ☐ + ☐

156 = ☐ + ☐ + ☐

169 = ☐ + ☐ + ☐

1 2 3 4 5 6 7 8 9 10

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Hlanganisa loku lokulandzelako:

$60 + 4 =$ ☐

$90 + 8 =$ ☐

$40 + 7 =$ ☐

$30 + 6 =$ ☐

$50 + 2 =$ ☐

$100 + 20 + 3 =$ ☐

$100 + 40 + 9 =$ ☐

$100 + 70 + 8 =$ ☐

$100 + 60 + 1 =$ ☐

$100 + 50 + 5 =$ ☐

Gcwalisa lenombolo leshiyekile:

$70 +$ ☐ $= 71$

$30 +$ ☐ $= 38$

$60 +$ ☐ $= 69$

$20 +$ ☐ $= 24$

$80 +$ ☐ $= 85$

$100 +$ ☐ $+ 3 = 153$

$100 +$ ☐ $+ 9 = 169$

☐ $+ 70 + 8 = 178$

$100 +$ ☐ $+ 1 = 191$

$100 + 50 +$ ☐ $= 157$

Yakha takho tibalo usebentisa emakhulu, emashumi nabonhlavunye.

☐ + ☐ + ☐ = ☐

☐ + ☐ + ☐ = ☐

Nguyiphi inombolo lenkhulukati? (Kh) Nguyiphi inombolo lencane kakhulu? (Nc)

50 9 100	100 9 40	4 50 100
☐	☐	☐

Teacher:
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Date:

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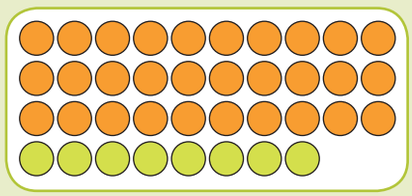
101

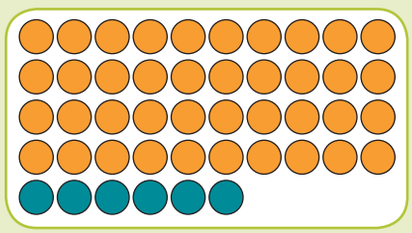
Lusuku:

Kuhlanganisa nekususa

Bukani lelibhodi-tinombolo nebuhlalu. Cocisanani ngalo.

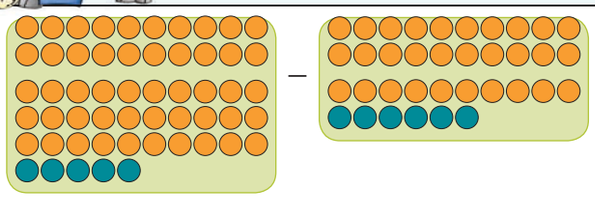
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100



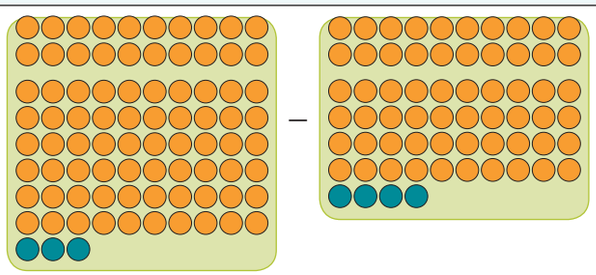


2

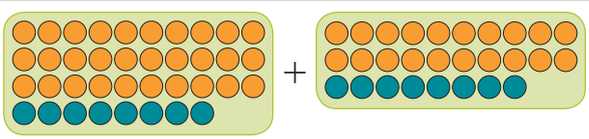
Hlanganisa noma ususe buhlalu.



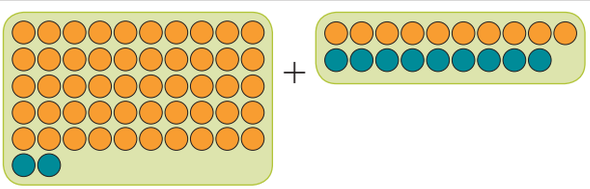
50 5 − 30 6
= 40 + 15 − 30 − 6
= 10 + 9
= 19



= + − −
= + −
=



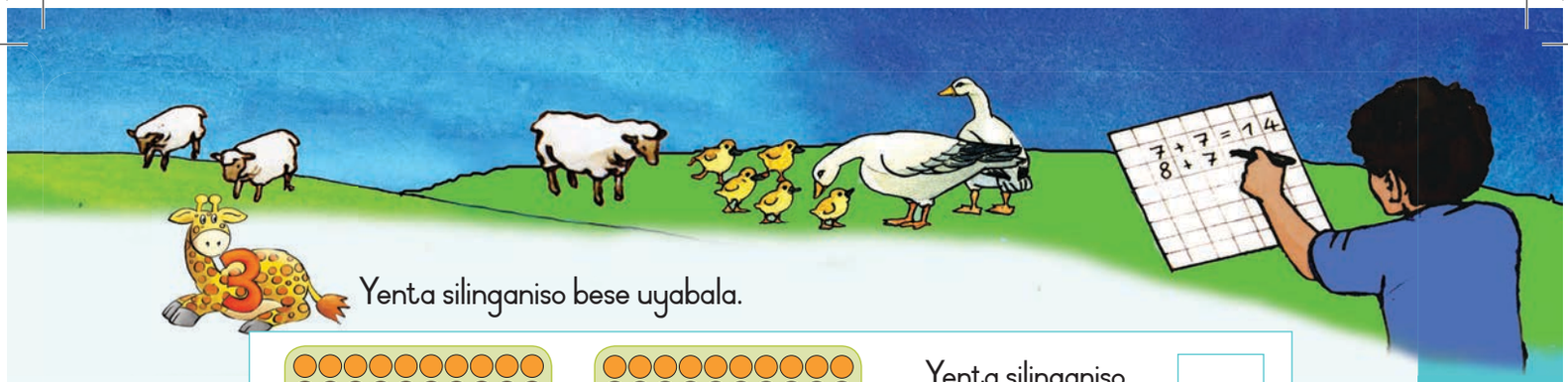
+ +
= + +
= + + +
= +
=



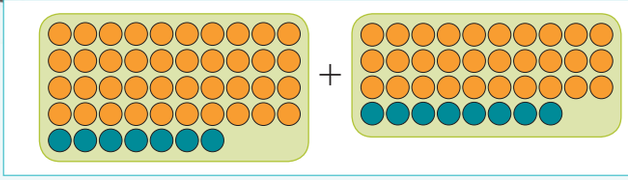
+ +
= + +
= +
=

1 2 3 4 5 6 7 8 9 10

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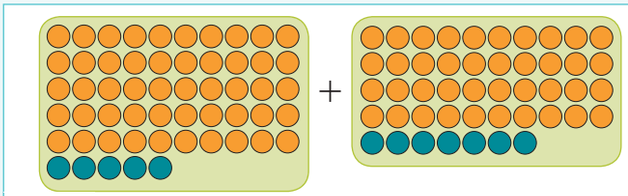


Yenta silinganiso bese uyabala.



Yenta silinganiso

Bala



Yenta silinganiso

Bala

Bala usebentisa indlela yakho.

53 + 39	92 – 48

Hlanganisa 39 na 29.

Yini 43 kususwe 19?

Susa 45 ku 74.

Yini 82 kususwe 69?

Teacher:

Sign:

Date:

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Lusuku:

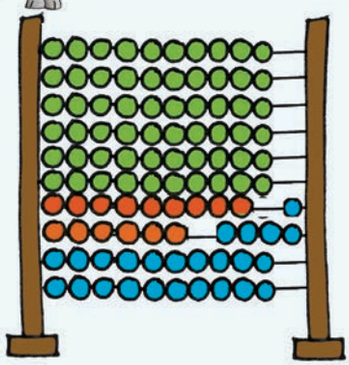
Kuhlanganisa nekususa njalo

1 Buka le-abhakhasi ngesancele nesekudla. Ubonani?

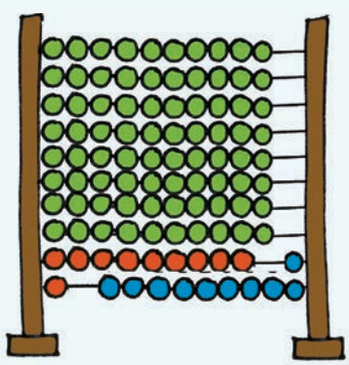
2 0	8	=	6 0	5
3 0	7			



2 Bhala sibalo sekuhlanganisa nekususa. Bala.

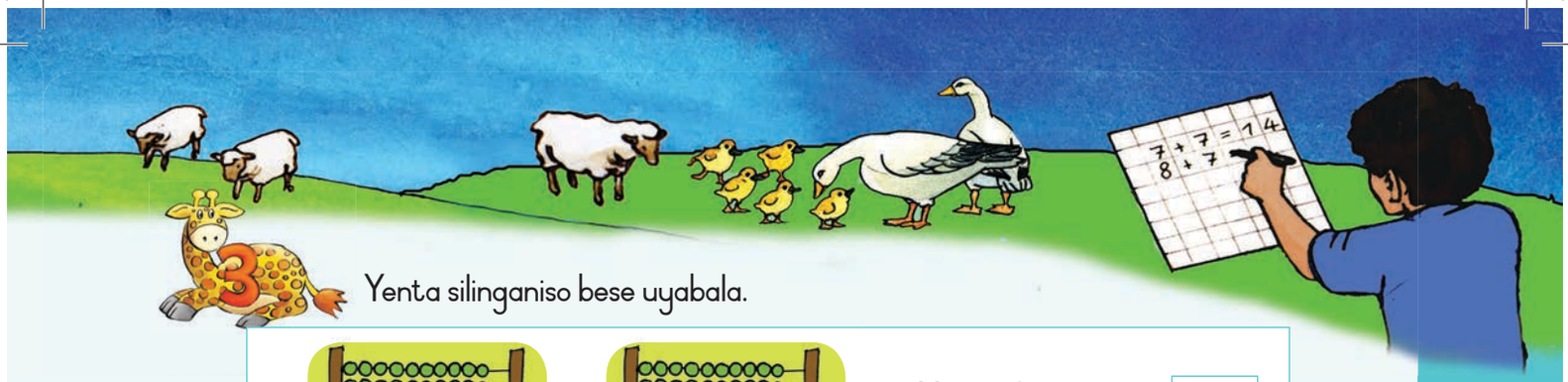


Sibalo sekuhlanganisa	Sibalo sekususa

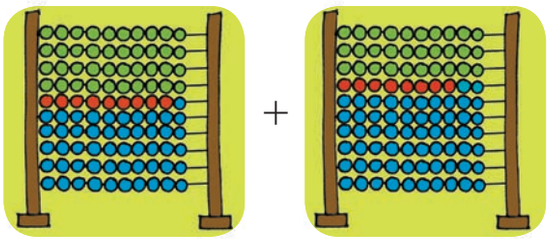


Sibalo sekuhlanganisa	Sibalo sekususa

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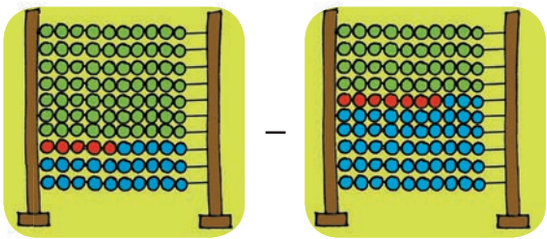


Yenta silinganiso bese uyabala.



Yenta silinganiso

Bala



Yenta silinganiso

Bala

Bala usebentisa indlela yakho.

58 + 35	34 – 26

Yini 74 na 19?

Sibalo sa 46 na 27.

Susa 34 ku 74.

Umehluko emkhatsini wa 81 na 36.

Teacher:

Sign:

Date:

11 12 13 14 15 16 17 18 19 20

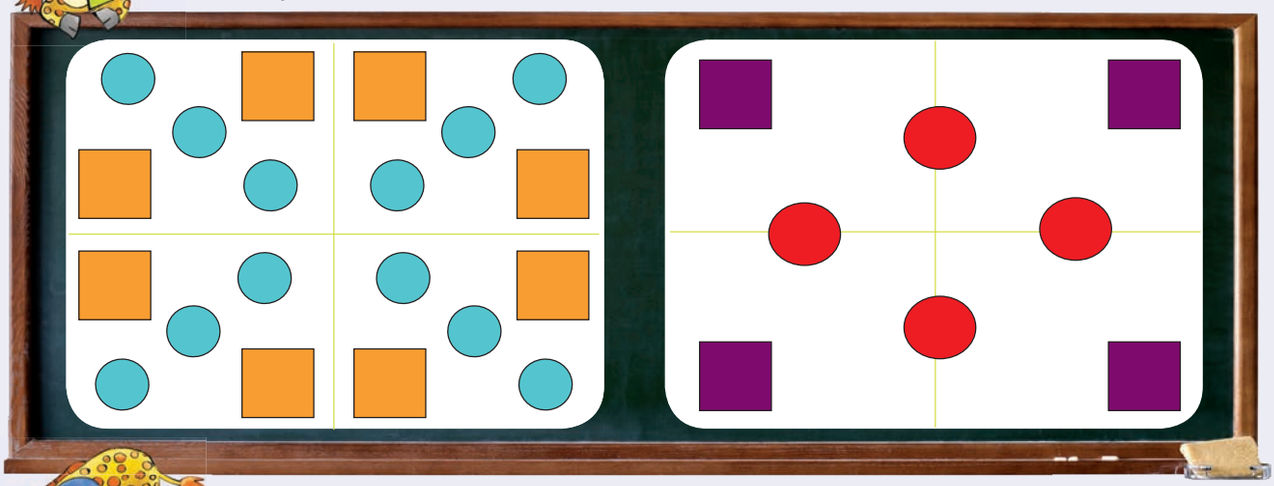
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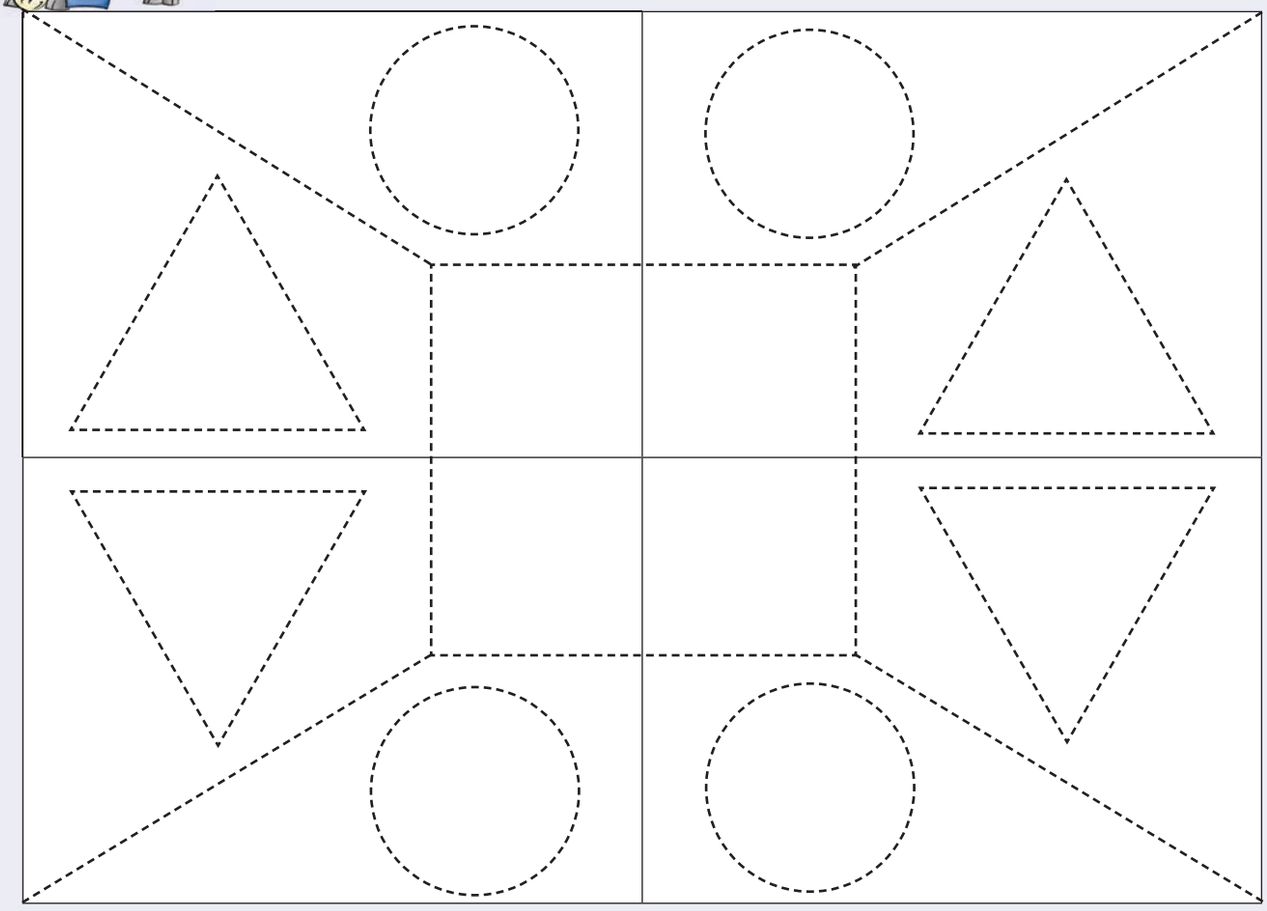
Siyachubeka ngemaphethini

Lusuku:

1 Chaza lephethini.



2 Landzelela lephethini bese uyifaka umbala.



1 2 3 4 5 6 7 8 9 10

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Landzelela lephethini bese uyifaka umbala.

Takhele yakakho iphethini usebentisa bobunjwa.

Teacher:
Sign:
Date:

11 12 13 14 15 16 17 18 19 20

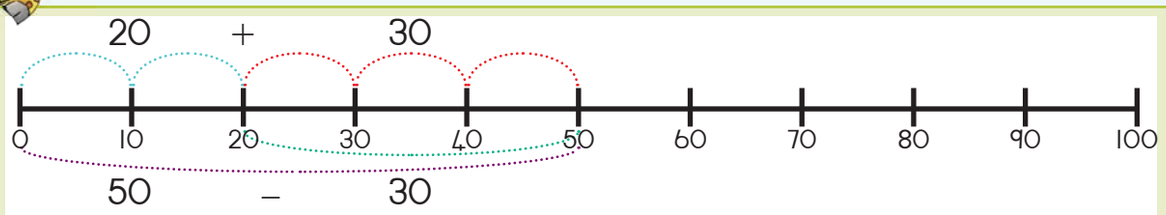
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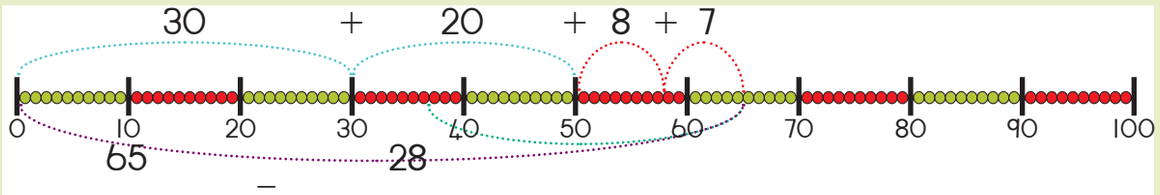
104

Kuhlanganisa neKwehlukanisa

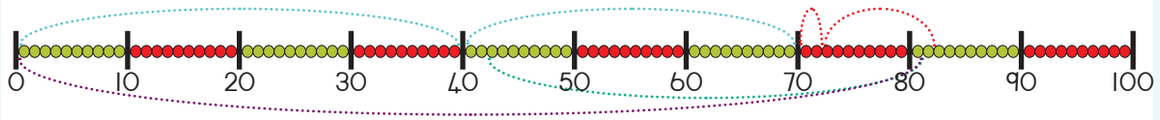
Lusuku:

1 Buka lemigca-nombolo. Coca ngayo.

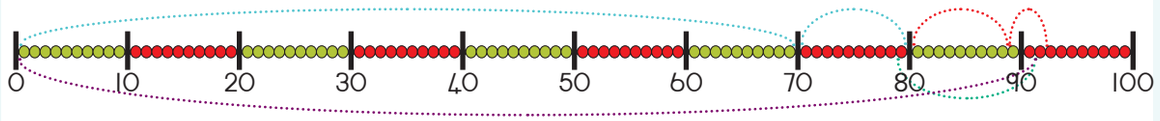




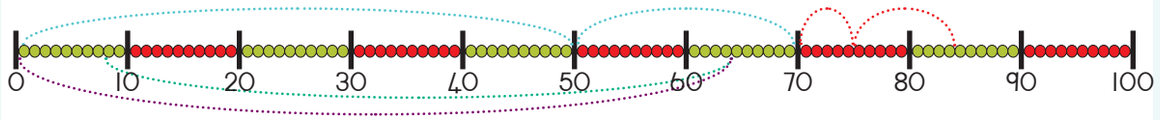
2 Bhala sibalo sekuhlanganisa nesekususa usebentisa umugca-nombolo.



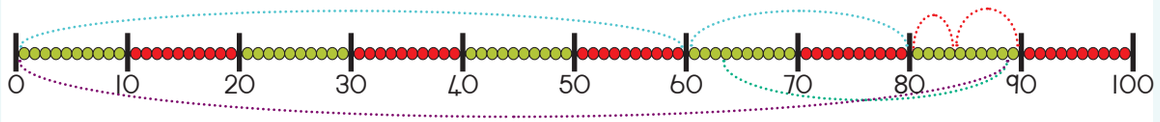
Sibalo sekuhlanganisa: _____ Sibalo sekususa: _____



Sibalo sekuhlanganisa: _____ Sibalo sekususa: _____



Sibalo sekuhlanganisa: _____ Sibalo sekususa: _____

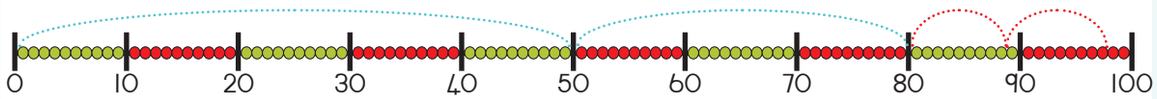


Sibalo sekuhlanganisa: _____ Sibalo sekususa: _____

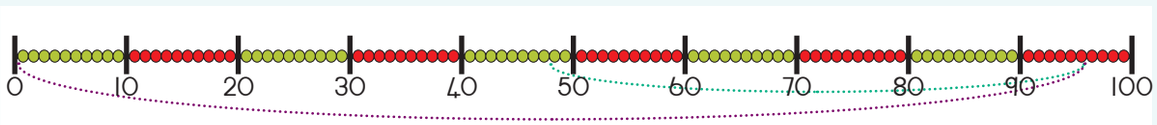
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3 Linganisa bese ubala linani lebuhlalu.



Yenta silinganiso: _____ Bala: _____



Yenta silinganiso: _____ Bala: _____

4 Bala usebentisa indlela yakho.

74 + 18	72 – 43

5

Linani lini 82 na 9?

Sibalo sa 79 na 13.

Susa 44 ku 52.

Umehluko emkhatsini wa 98 na 59.

Teacher:
Sign:
Date:

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105 Kuhlanganisa nekususa siyachubeka futsi

Lusuku:

1 Yenta lamacala alingane.

10 + 4 + 5 | 9 + ☐ + ☐



90 – 50 | ☐ – 20



2 Cedzela loku lokulandzelako.

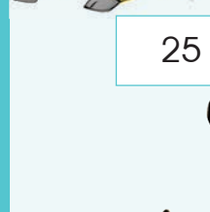
1 ngetulu +1	
6	7
5	
3	
9	
2	
7	
4	
8	

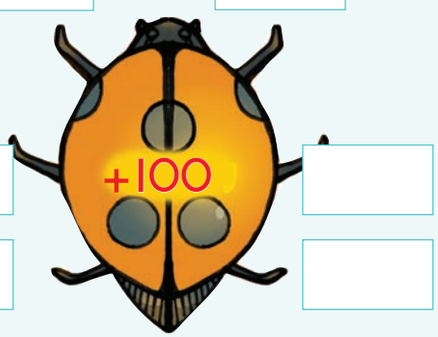
1 ngaphansi –1	
4	3
8	
10	
9	
2	
7	
6	
3	

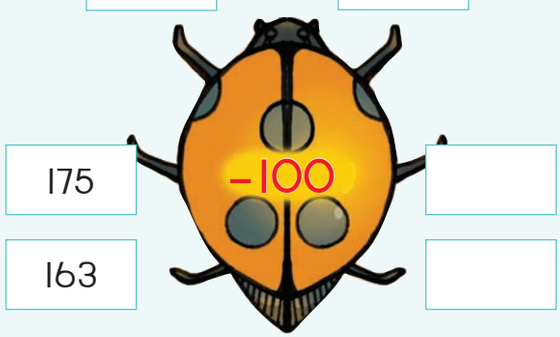
10 ngetulu +10	
40	50
10	
60	
70	
20	
80	
30	
100	

10 ngaphansi –10	
40	30
150	
20	
110	
200	
60	
180	
70	

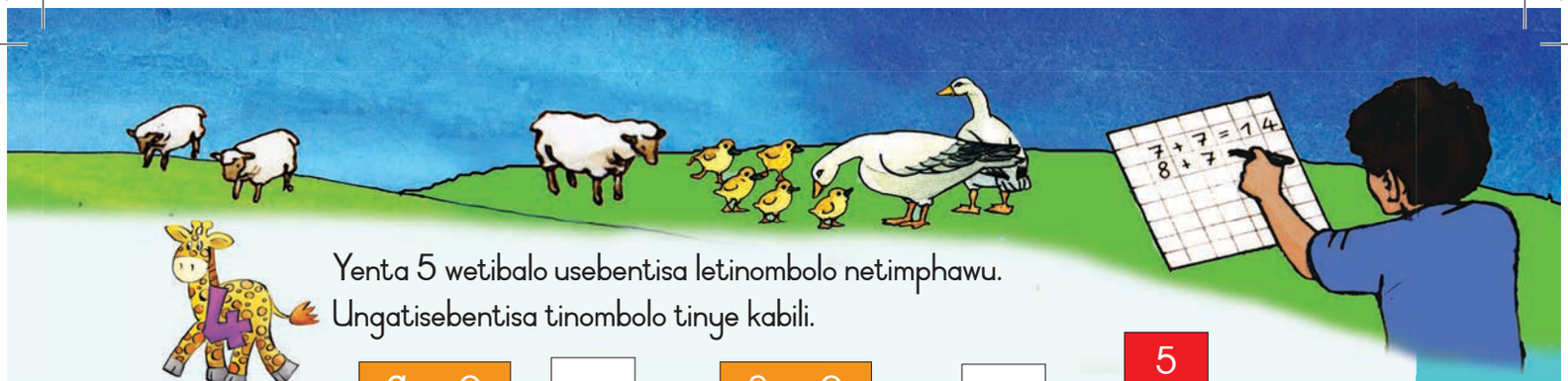
3 Cedzela lamadayagramu lalandzelako.







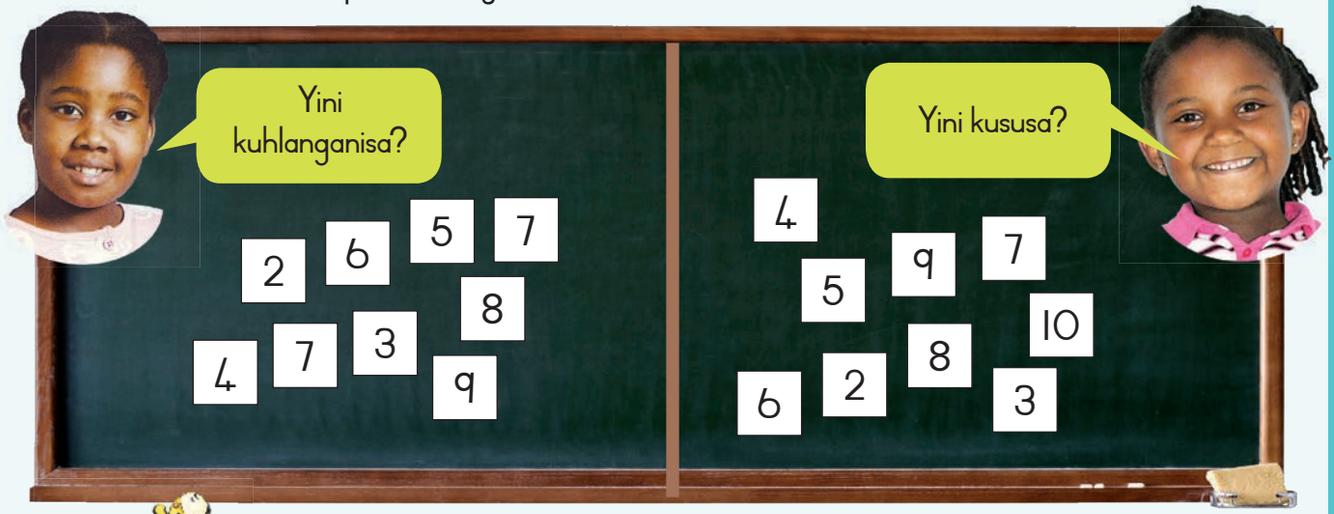
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Yenta 5 wetibalo usebentisa letinombolo netimphawu.
Ungatisebentisa tinombolo tinye kabili.

90	−	20	+	5
100	4	3		30

Buka lenombolo bese wenta sibalo sekuhlanganisa noma sekususa kanyenti kute ubhale imphendvulo yakho ebhodini, sib. 3 + 4 = 7.



Bala ngesineke loku lokulandzelako usebentisa indlela yakho.
Khombisa tonkhe tinyatselo tekukhakhuletha kwakho.

48 + 36	85 − 59

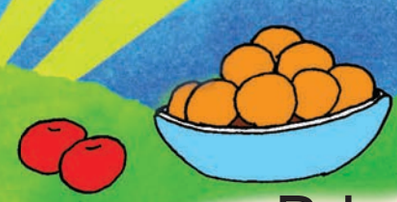
Sombulula lesibalo magama. Yenta umdvwebo kukhombisa imphendvulo yakho.

Ngonge R42 wase Babe ungipha R29. Senginamalini nyalo?	Ngina R78 ngase ngitsenga tincwadzi nga R34. Sengisele namalini?

Teacher:
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Date:

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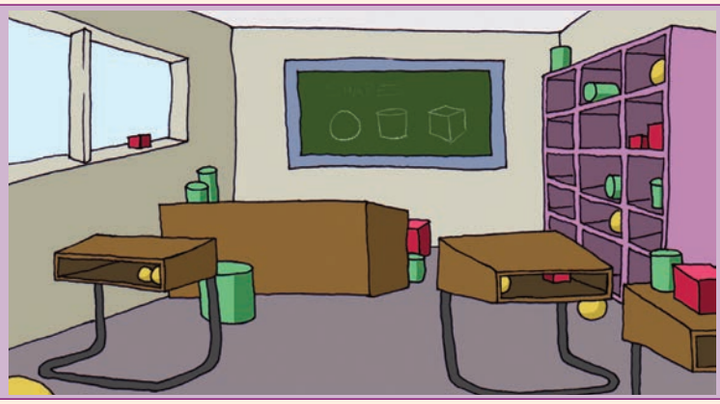




Lusuku:

Bobunjwa be 3-D

Aphi emabhokisi, emabhola nemibhoshongo?





Shano kutsi ngabe loku kulibhokisi, ibhola noma umbhoshongo.















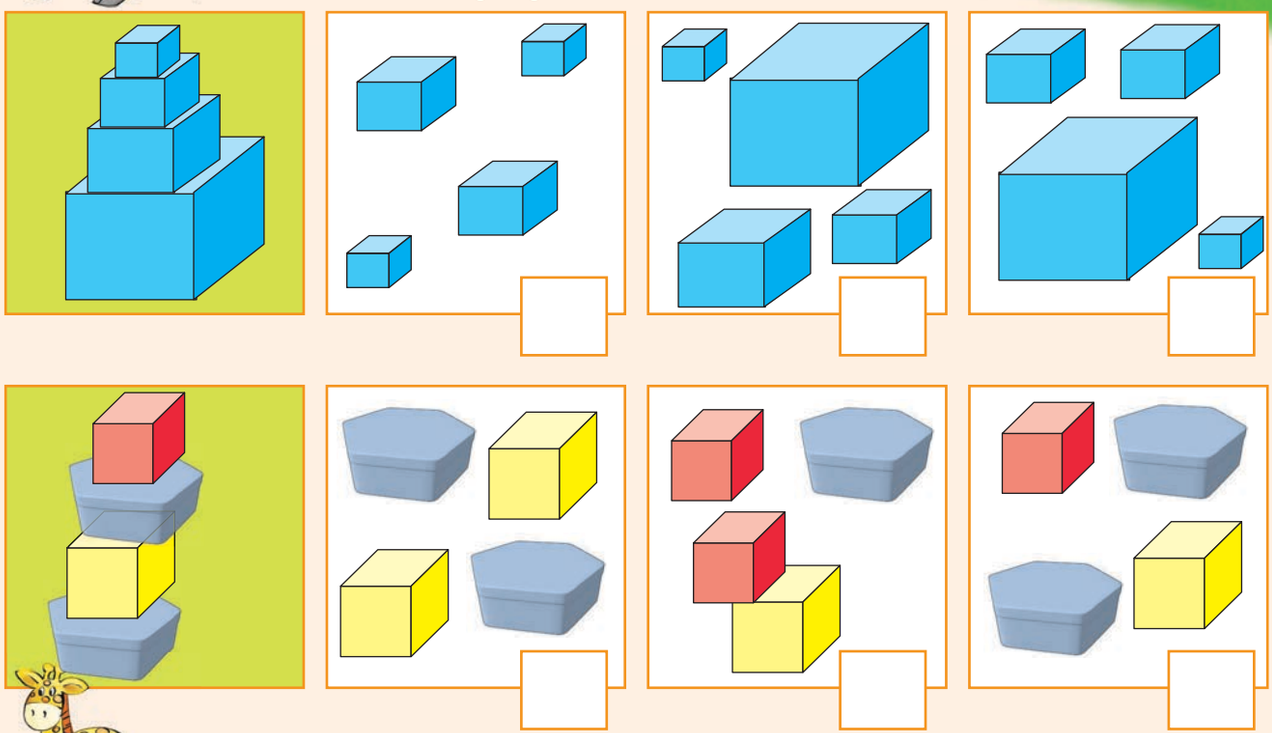
Tfola titfombe taloku lokulandzelako utinamatsisele lapha.

Ibhola	Libhokisi	Umbhoshongo

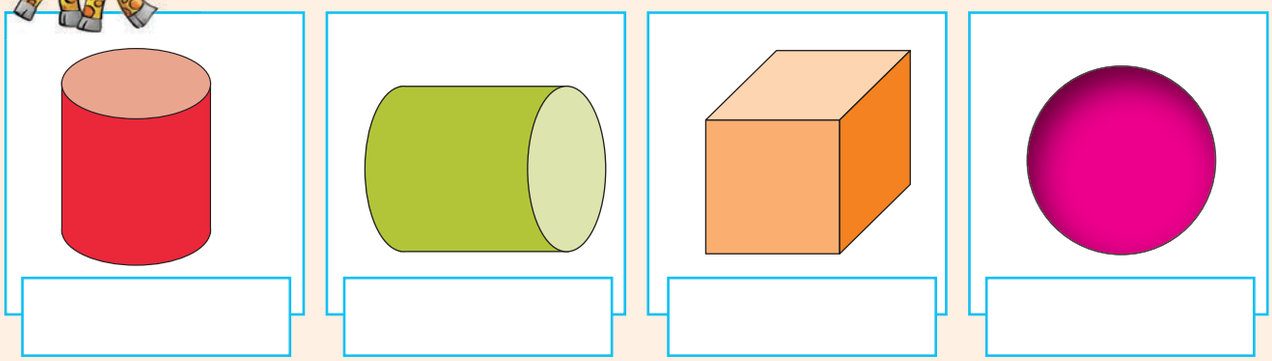
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Faka luphawu (✓) tetintfweni letingito lotisebentisile kwakha lombhoshongo ngesancele.



Shano kutsi ngabe loku lokulandzelako kutawugicika noma kutawushelela.



Endlini yakini noma madvute nayo ngaphandle yini lebukeka njengaloku:

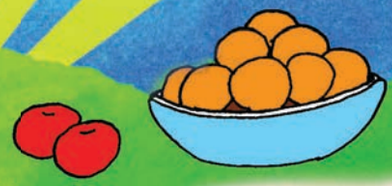
- Umbhoshongo _____
- Ibhola _____
- Emabhokisi _____

Teacher:
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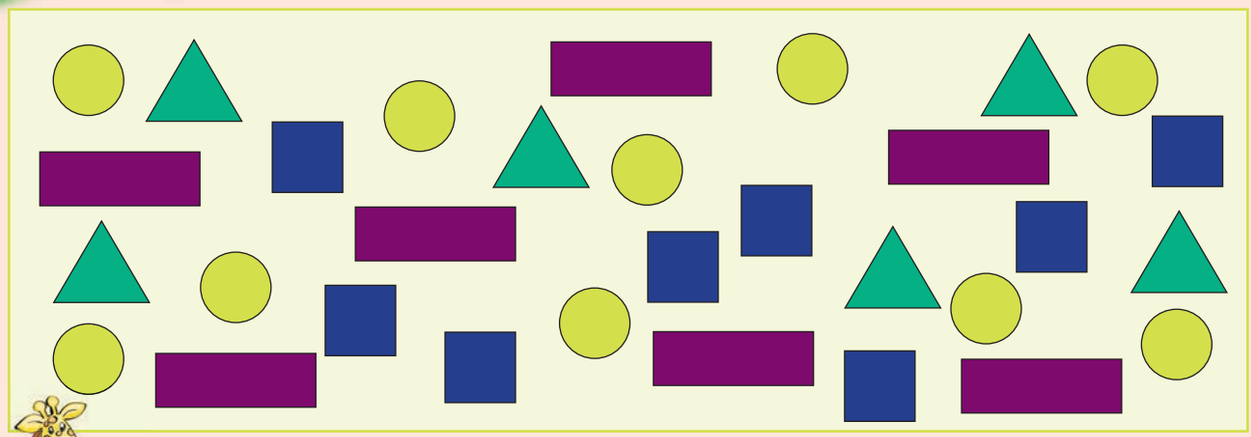






Lusuku:

Imininingwane futsi





Hlunga labobunjwa. Yenta wakho umdvwebo. Bhala samba (ithothali) ebhokisini.



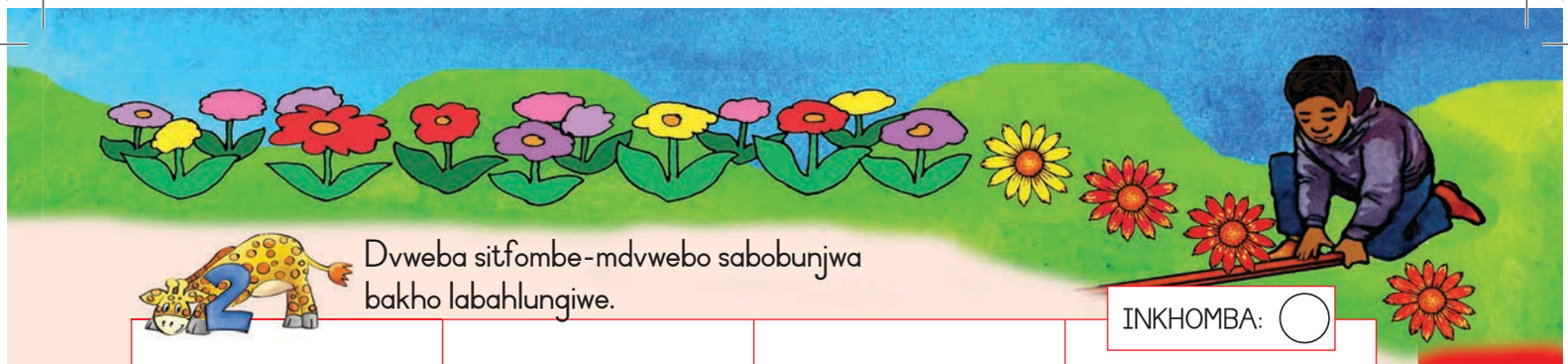






1 2 3 4 5 6 7 8 9 10

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Dvweba sitfombe-mdvwebo sabobunjwa bakho labahlungiwe.

INKHOMBA:



Faka umbala kumabhuloki kucedzela ibha-grafu yakho

Tingaki tindilinga letilapha?

Tingaki tikwele letilapha?

Bangaki bocalandze labalapha?

Bangaki bocalantsatfu labalapha?

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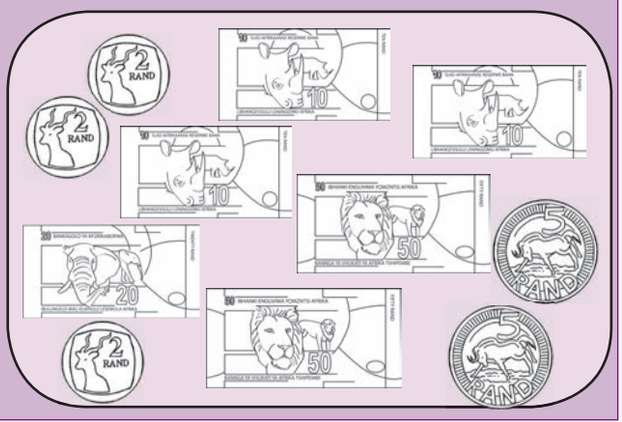
Lusuku:

Kubala imali

Faka umbala kubuhhehlu lobutakwenta 95c.



Faka umbala imali letakwenta R99.



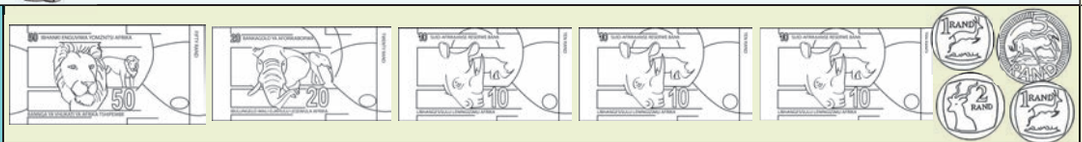


Faka umbala buhhehlu lobutakunika. Ngabe ngiyo yodvwa lendlela yekuhlanganisa?

		Yebo	Cha
75c			
85c			
90c			



Faka umbala imali buhhehlu kanye neyemaphepha letakunika loku lokulandzelako: Ngabe ngiyo yodvwa lendlela yekuhlanganisa?

		Yebo	Cha
R87			
R75			
R94			

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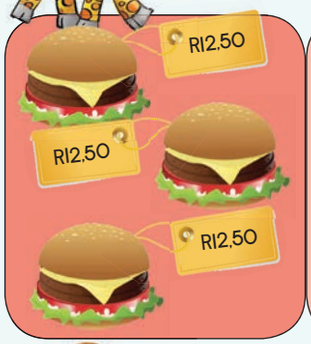
Sipho utsenge mabili emahambega.
Ihambega ngayinye ibita R12,50. Ubhadale malini?
Dvweba sitfombe semali lengiyo yemaphepha nebuhhehlu kukhombisa imphendvulo yakho. Futsi yibhale njengemusho nombolo.





Umusho nombolo:
R12,50 + R12,50 =

Kwentekani uma Sipho atsenga matsatfu emahambega?



Umusho nombolo:

Kwentekani uma Sipho atsenga mane emahambega?



Umusho nombolo:

Mangaki emhambhega Sipho langawatsenga nga R87,50. Yenta umdvwebo lofana nalona longetulu kukusita kusombulula lenkinga. Sebentisa lelinye liphepha lekudvwebela.

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Lusuku:

Kusombulula tibalo-mali

Ngitawutfolani uma ngitsengisa emashokholethi lali-10? Buka letitfombe uchubeke nalephethini.

1 ishokholethi



2 emashokholethi



3 emashokholethi



4 emashokholethi





Sheila utsengisa emahothi-dogi nga R4 lilinye. Cedzela lithebula kumsita kutfola linani lemali yema-oda lamakhulu.

Linani laloku emahothi-dogi	1	2	3	4	5	6	7	8	9	10
Buhhehlu										
Intsengo ngemaRandi	R4									



Kungaba njani uma Sheila atsengisa R5 iyinye ihothi-dagi?

Linani laloku emahothi-dogi	1	2	3	4	5	6	7	8	9	10
Buhhehlu										
Intsengo ngemaRandi	R5									

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Sello ugadza bantfwana. Ubita R5 ngeli-awa. Cedzela lelithebula.

Linani laloku ema-awa	1	2	3	4	5	6	7	8	9	10
Intsengo ngemaRandi										



Sello wenta sincumo kuphindza kabili tindleko takhe ngeli-awa. Nyalo-ke khombisa loku kulelithebula.

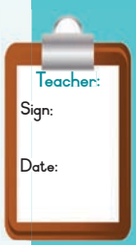
Linani laloku ema-awa	1	2	3	4	5	6	7	8	9	10
Intsengo ngemaRandi	10	20								



Dvweba sitfombe kukhomba inkhokhelo yaSello yekugadza umntfwana ema-awa lasi 8 abita R5 ngeli-awa.



Ufuna kutsenga 10 wemamafini. Limafini linye libita R10. Utawukhokha malini kutsenga 1, 2, 3, 4, 5, 6, 7, 8, 9 noma 10 wemamafini? Khombisa loku ethebuleni ephepheni lelinye lekubhalela.



11 12 13 14 15 16 17 18 19 20

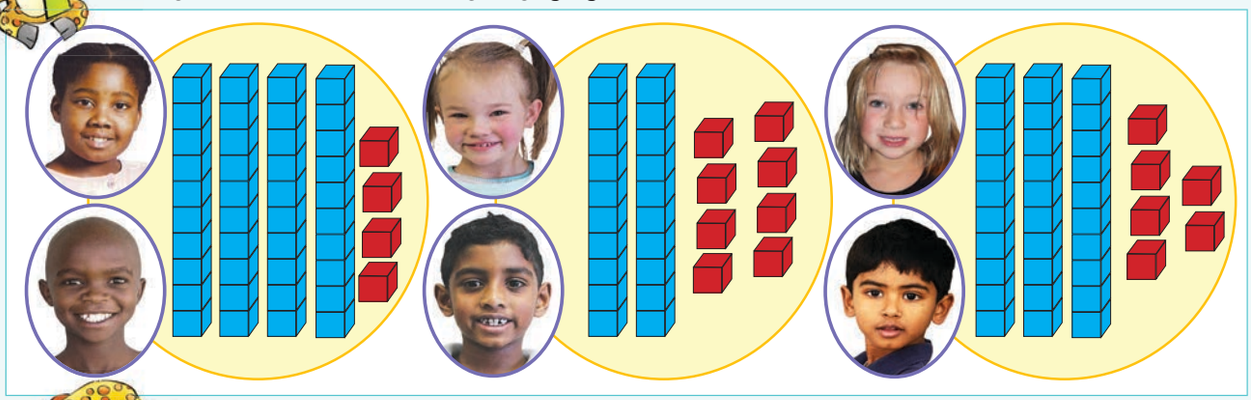
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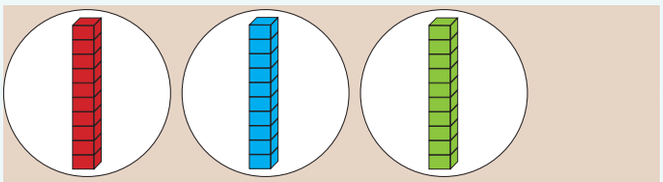
Lusuku:

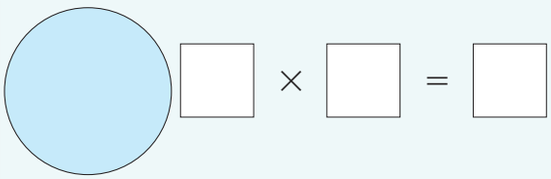
Kubeka ngemacembu nekwabelana

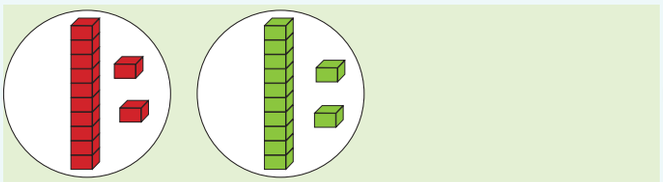
1 Mangaki emabhuloki kundilinga ngayinye? Wabe emkhatsini kwebantfwana.

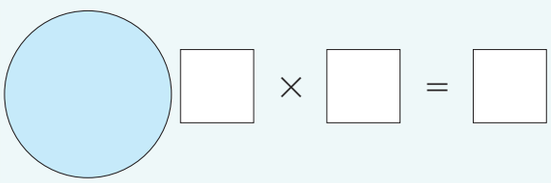


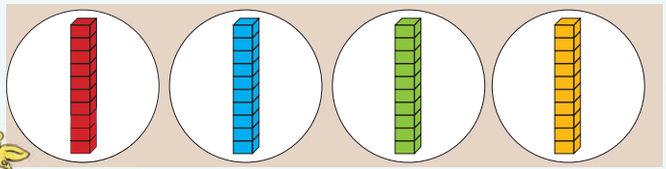
2 Mangaki emabhuloki kundilinga ngayinye?
Bhala ithothali kundilinga lelingangane.

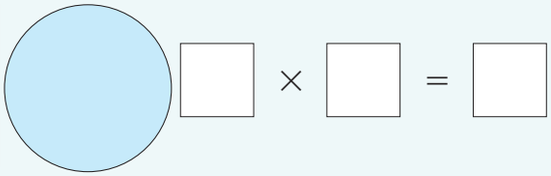




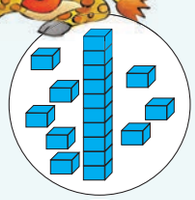


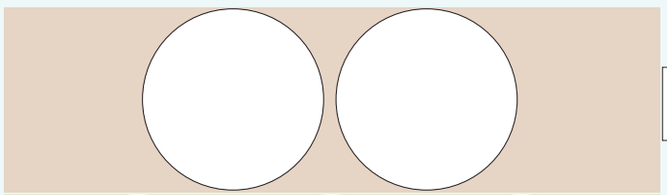




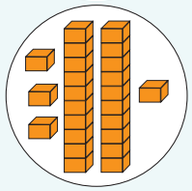


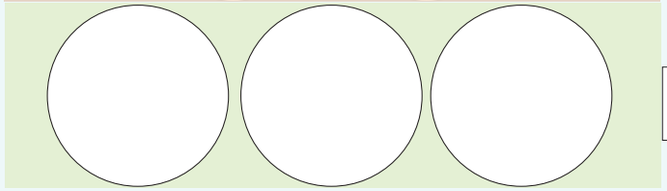
3 Yaba emabhuloki emkhatsini wetindilinga.

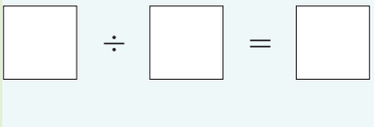












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Dvweba loku lokulandzelako. Bhala sibalo sakunye ngakunye.

3 emacembu a 2

Sibalo sekuhlanganisa: +

Sibalo sekuphindzaphindza: ×

4 emacembu a 10

Sibalo sekuhlanganisa: +

Sibalo sekuphindzaphindza: ×

Yaba tintfo tekubala leti-12 emkhatsini kwa 4.

Sibalo sekususa: −

Sibalo sekwehlukanisa: ÷

Yaba tintfo tekubala leti-36 emkhatsini kwa 3.

Sibalo sekususa: −

Sibalo sekwehlukanisa: ÷

Kubala.

2 emacembu a 7 _____

4 emacembu a 5 _____

Yaba 18 nga 2 _____

Yaba 35 nge 5 _____

3 emacembu a 8 _____

2 emacembu a 15 _____

Yaba 24 nga 3 _____

Yaba 50 nga 10 _____

Kuphindza kabili

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Umtsamo siyachubeka futsi

Lusuku:

1 Buka letitfombe. Bentani labantfwana?



2 Letinkhezo tingaligcwalisa kufika kuphi lijeke? Faka umbala.



Kutakwentekani uma utsela 6 wetinkomishi ejekeni lekukala?

_____

_____

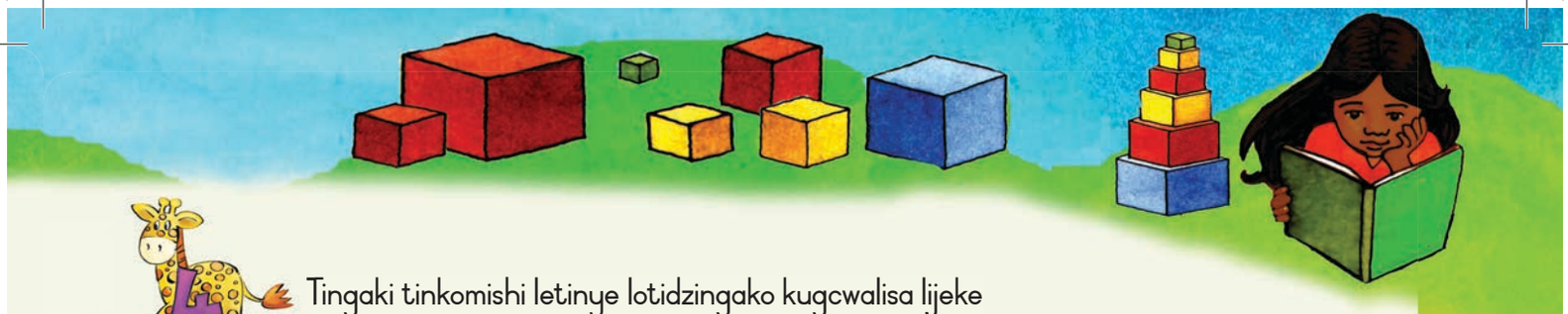
_____

3 Tingaki tinkomishi temanti lotidzinga kugcwalisa:

2 wemajeke _____ 3 wemajeke _____

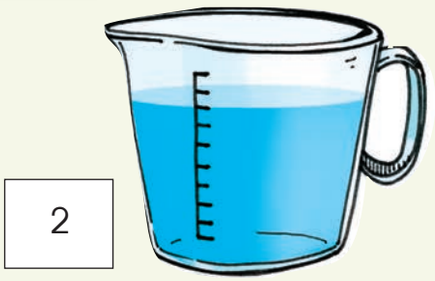
4 wemajeke _____ 5 wemajeke _____

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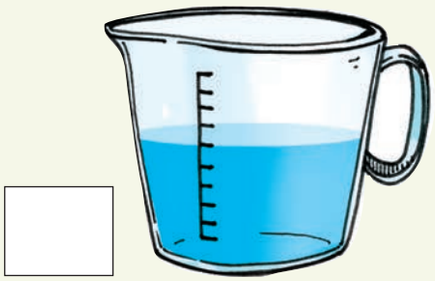


Tingaki tinkomishi letinye lotidzingako kugcwalisa lijeke noma emajeke?



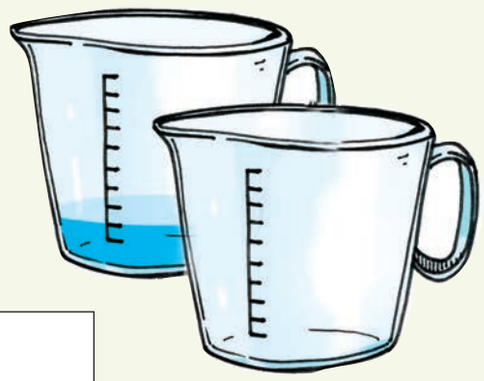
2













Tfola titfombe tetintfo-tekuphatsa letilingana na 1 ilitha, 2 wemalitha na 5 wemalitha. Tinamatsisele lapha noma ekisezayizini lakho. Tinamatsisele kusukela kuletetfwala kakhulukati uye entfweni leyetfwala lokuncane kakhulu.



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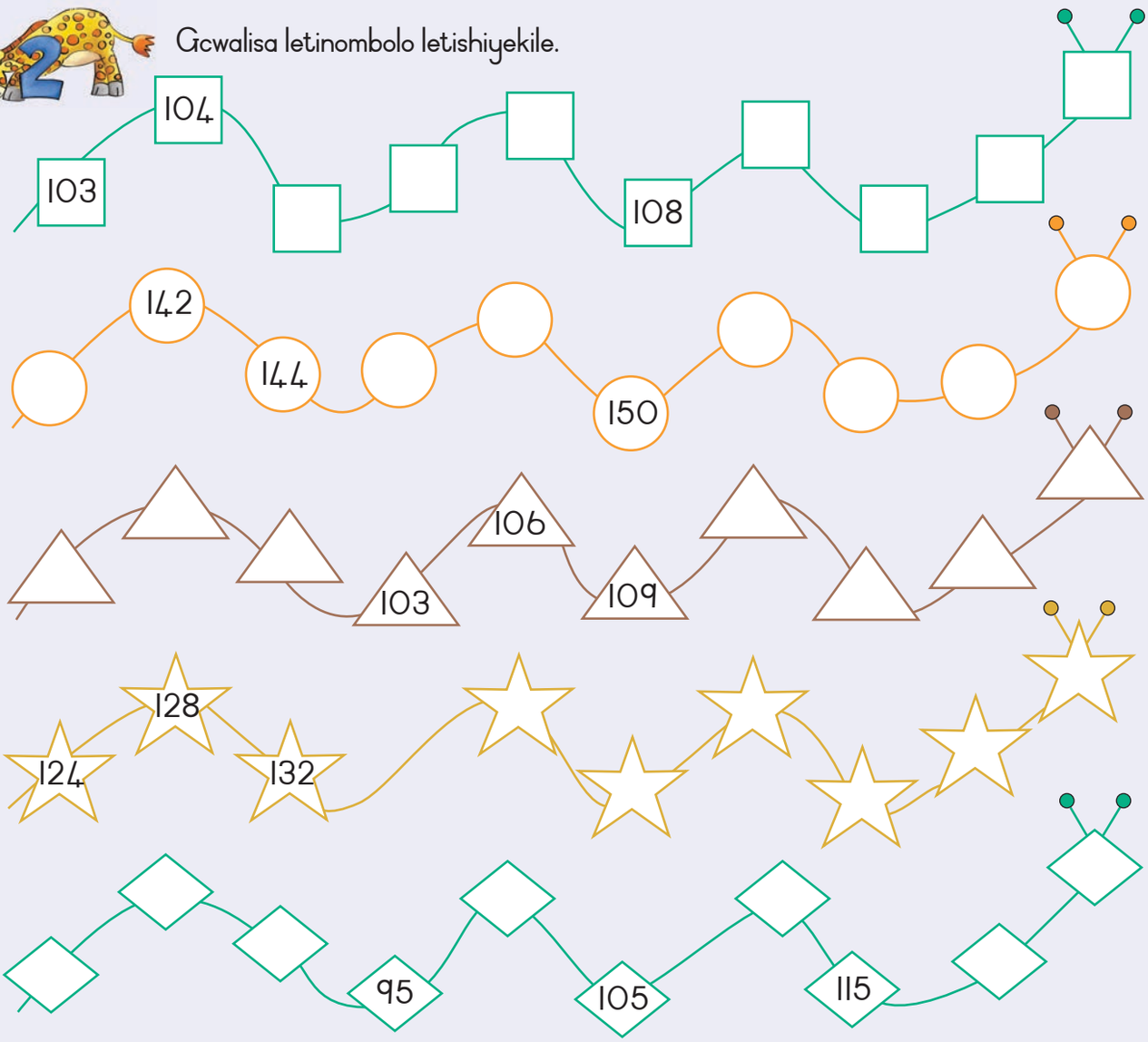
Lusuku:

Emaphethini-tinombolo

Beka lamakhadi ngekulandzelana kwawo. Kusuka kulelikhulu kuya kulelincane, bese futsi usuka kulelincane uye kulelikhulu.

5	3	8	1	9	7	6	2	4
61	66	64	69	62	68	67	63	65
136	132	140	138	131	135	133	137	134	139

Gcwalisa letinombolo letishiyekile.



1 2 3 4 5 6 7 8 9 10

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Cedzela loku lokulandzelako kubala uye emuva.

128	126	124			118				
160	157	154							
200	195	190							

Cedzela loku lokulandzelako.

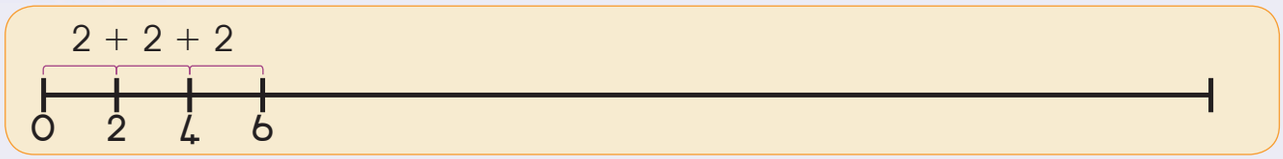
100, 102, 104, ___, ___, ___, ___, ___

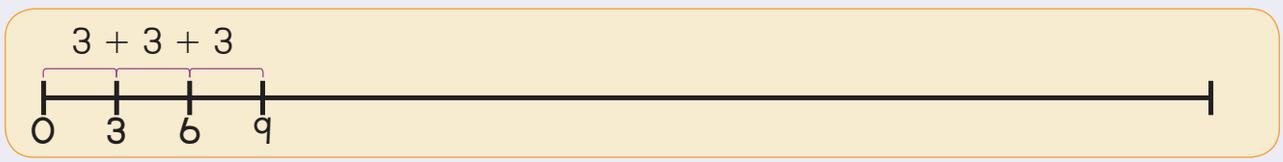
160, 155, 150, ___, ___, ___, ___, ___

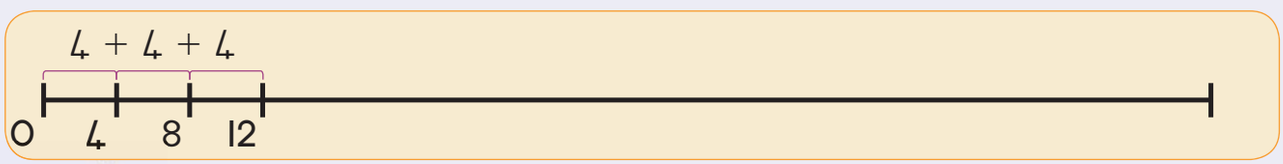
115, 118, 121, ___, ___, ___, ___, ___

200, 190, 180, ___, ___, ___, ___, ___

Cedzela lomugca-nombolo.







Sibala ngabobani?

4 20 8 16 12	2 14 8 12 10 4 6	5 15 25 30 20 10	3 21 15 6 18 9 12

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113 Kuphindzaphindza siyachubeka

Lusuku:

Tonkhe tilwane tinetinyawo leti 4.

Tonkhe tilwane tinemadlebe lama 2.



Litsini linani letinyawo setitonkhe kulesitfombe? ☐

Litsini linani lemadlebe sekawonkhe kulesitfombe? ☐



Buka lesitfombe bese uCedzela loku lokulandzelako:



☐ × ☐ = ☐

Linani lemagundvwane — Tinyawo silwane ngasinye

☐ × ☐ = ☐

Linani lemagundvwane — Emadlebe silwane ngasinye



Cedzela loku lokulandzelako:

3	6	9							
30	27	24							



Cedzela loku lokulandzelako:

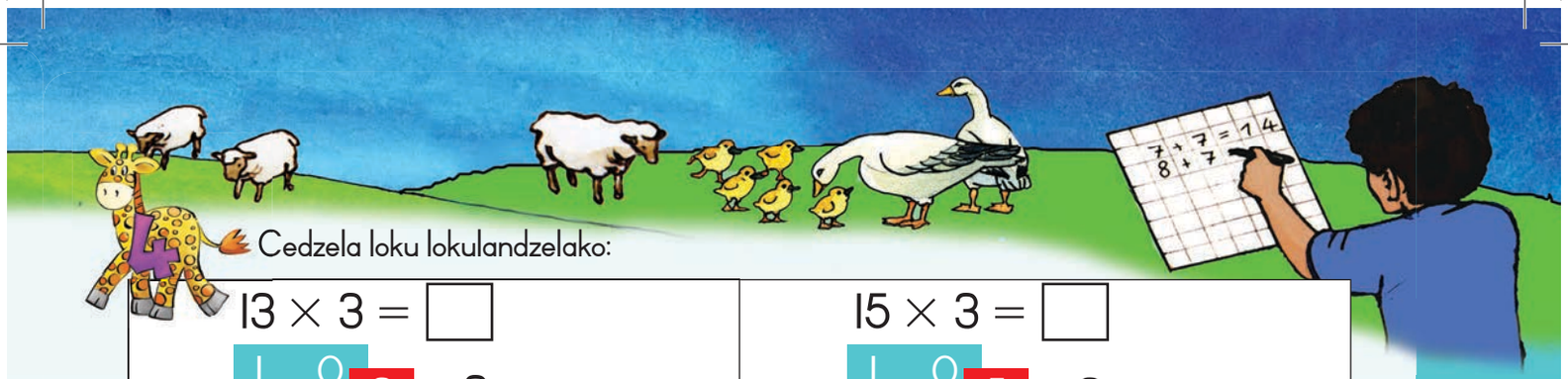
5 ×  = ☐ emahhabhula

4 ×  = ☐ bobhanana

6 ×  = ☐ bobhanana

7 ×  = ☐ emahhabhula

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Cedzela loku lokulandzelako:

$13 \times 3 = \square$

$10 + 3 \times 3$

$= 10 + 3 \times 3$

$= 10 \times 3 + 3 \times 3$

$= 30 + 9$

$= 39$

$15 \times 3 = \square$

$10 + 5 \times 3$

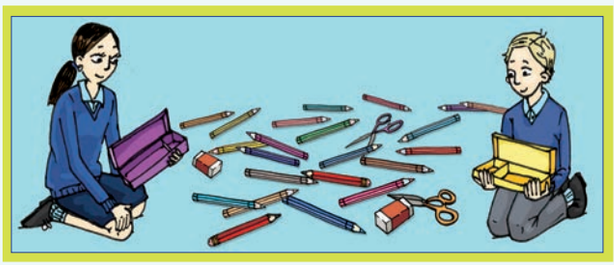
$= \square + \square \times \square$

$= \square \times \square + \square \times \square$

$= \square + \square$

$= \square$

Bangani lababili bawisa tikhwama tabo temapeniseli. Ekhatsi banetintfo letifana ncwe. Basite bo kubuyisela tintfo tabo etikhwameni.



Cedzela loku lokulandzelako:

Yaba leshokolethi ngekulingana emkhatsini wa 2 webantfwana.

Kunombolo ngayinye tfola ☐

Yaba 15 wemaswidi ngekulingana emkhatsini wa 3 webantfwana.

Kunombolo ngayinye tfola ☐

Dvweba titfombe kukhombisa timphendvulo takho.

Dvweba sitfombe kusombulula loku lokulandzelako: Yaba 9 wemapeniseli emkhatsini wa 3 webantfwana.

Kunombolo ngayinye tfola ☐

Yaba 16 wemakhirayoni emkhatsini wa 3 webantfwana.

Kunombolo ngayinye tfola ☐

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114 Kuphindzaphindza lokuhlanganisele

Lusuku:

Buka loku lokulandzelako, yini loyicaphelako?

$5 + 5 + 5 = 15$



3 weticumbi tabo $5 = 15$



3 ticumbi tabo 5 ngu 15

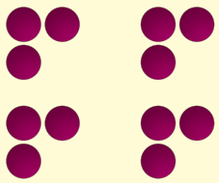
3 aphindvwe ka $5 = 15$

$3 \times 5 = 15$

$5 \times 3 = 15$



Cedzela lithebula ngentasi. Lesibonelo sitakukhomba indlela.

Yeca kubala	Ticumbi letilinganako	Kuhlanganisa lokuphindzekile	Lokuhlelenjisiwe	Emaciniso
3, 6, 9, 12		$3 + 3 + 3 + 3$	3 emahele abo 4 × × × × × × × × × × × ×	$3 \times 4 = 12$ $4 \times 3 = 12$
		$4 + 4 + 4$		
				$6 \times 5 = 30$ $5 \times 6 = 30$
2, 4, 6, 8, 10, 12				

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Ungakucedzela ngesivinini lesinganani loku lokulandzelako?

1 × 2 =	
2 × 2 =	
3 × 2 =	
4 × 2 =	
5 × 2 =	
6 × 2 =	
7 × 2 =	
8 × 2 =	
9 × 2 =	
10 × 2 =	

1 × 5 =	
2 × 5 =	
3 × 5 =	
4 × 5 =	
5 × 5 =	
6 × 5 =	
7 × 5 =	
8 × 5 =	
9 × 5 =	
10 × 5 =	

Phendvula lemibuto lelandzelako. Yini loku:

tihlanu letine	
imphindza-kabili ya 6	
6 aphindvwe ka 5	
2 aphindzaphindvwe nga 4	
8 aphindvwe ka 2	

Esikhundleni sesibamba-sikhundla sebentisa inombolo.

3 ticumbi tabo 2 ngu 6 noma 3 aphindvwe ka 2 ngu 6 noma 3 × 2 = ☐	
4 ticumbi tabo 3 ngu 12 noma 4 aphindvwe ka 3 ngu 12 noma 4 × 3 = ☐	
6 ticumbi tabo 3 ngu 18 noma 6 aphindvwe ka 3 ngu 18 noma 6 × ☐ = 18	

Sibalo-nkinga: Kunatintsatfu tinhlavu eluheleni. Kuna 4 wemahele. Tingaki tinhlavu setitonkhe? Dvweba sitfombe kukhombisa imphendvulo yakho.

Teacher:
Sign:
Date:

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115 Kuphindzaphindza siyachubeka futsi

Lusuku:

Buka lesitfombe bese uhlanganisa letimabula.



Kuyini kuphindzaphindza?

25 – 10 – 2013

$4 \times 2 = \boxed{8}$

$3 \times 4 = \boxed{12}$

$4 \times 5 = \boxed{20}$

$2 \times 6 = \boxed{12}$

Yini 2 tikhatsi letisi 7?

$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$
$6 \times 5 = 30$
$7 \times 5 = 35$
$8 \times 5 = 40$
$9 \times 5 = 45$
$10 \times 5 = 50$

Cedzela:

	1	2	3	4	5	6	7	8	9	10
× 2	2	4	6							

Sebentisa indlela yakho kusombulula loku.

12 × 2	16 × 2

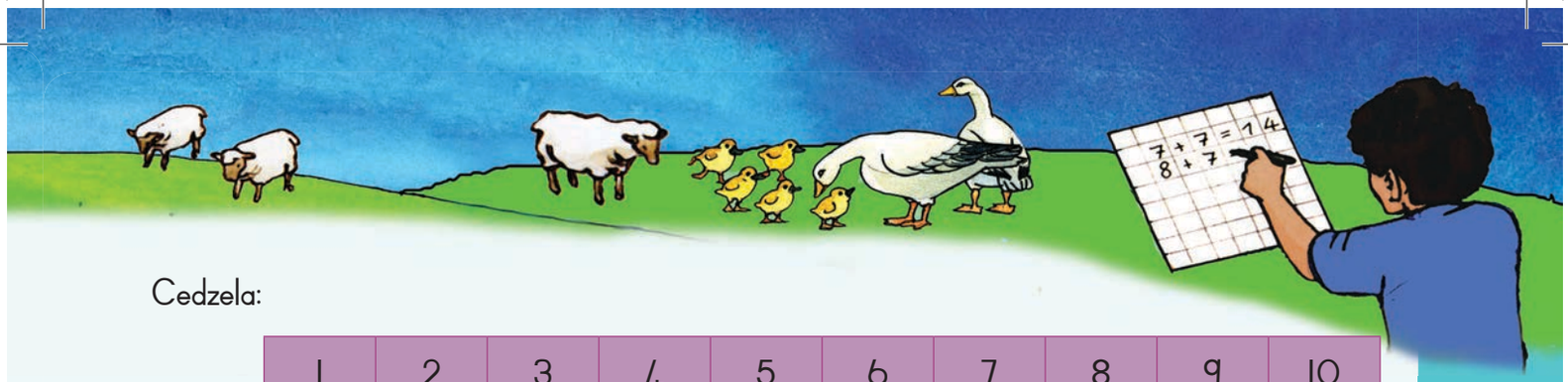
Cedzela:

	1	2	3	4	5	6	7	8	9	10
× 3	3	6	9							

Sebentisa indlela yakho kusombulula loku.

13 × 3	15 × 3

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Cedzela:

	1	2	3	4	5	6	7	8	9	10
× 4	4	8	12							

Sebentisa indlela yakho kusombulula loku.

11 × 4	14 × 4

Cedzela:

	1	2	3	4	5	6	7	8	9	10
× 5	5	10	15							

Sebentisa indlela yakho kusombulula loku.

12 × 5	16 × 5



Kunema-olintji lali 12 esikhwameni. Mangaki ema-olintji lakhona ku:

4 wetikhwama?	5 wetikhwama?	3 wetikhwama?	2 wetikhwama?

Teacher:
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116a

Emalanga eliviki

Lusuku:

1 Hlela kahle lamagama emalanga eliviki.

ILELIBIS

OSOLINTF

MBUKOLUUSMO

SATFULESIT

SINULEHLA

CIBEULOMG

LINESE

2 Gcwalisa emalanga lashiyiwe.

USmombukolu		Lesitsatfu	
Ntfosoli		BisiLeli	

3 Bhala phasi emalanga eliviki.

Ntfosoli						

4 Mangaki emalanga kusuka:

kuMsombuluko kuya kuLesine? _____

kuLesibili kuya kuLesihlanu? _____

kuLesine kuya kuMgcibelo? _____

5 Mangaki emalanga emkhatsini we:

Msombuluko naLesihlanu? _____

Lesibili neMgcibelo? _____

Lesitsatfu naLesihlanu? _____

1 2 3 4 5 6 7 8 9 10

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Tinyanga temnyaka

1 Hlela kahle letinhlavu temagama etinyanga temnyaka.

HUVULEINDLONK SABAMA LWETI OVANAINDL

TIKHWEINKHWE NGONIINGO LABAINH INYOIN

WANELOKH GCIIN HALAIMP ABHIMBINEDVW

2 Mangaki emalanga lakhona enyangeni ngayinye?

Nedvwabhimbi 31	iNdlovana	iNdlovulenkhulu	Masaba
Inkhwetikhwe	iNhlaba	Lokhwane	iNgci
iNinyo	iMphala	Tilwe	iNgongoni

3 Phendvula lemibuto lelandzelako:

Khumbula kutsi ligama lenyanga ngako-ke kufute libe nafeleba ngasekucaleni.

Nyanga yini leta embi kweNdlovulenkhulu? _____

Nyanga yini leta emva kweNhlaba? _____

4 Uma kunguKholwane, tingaki tinyanga letise embi kwaloku:

iNyoni? _____

iNgci? _____

Teacher:
Sign:
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116b

Emalanga, emaviki netinyanga

Lusuku:

iNgongoni 2015

Lisontfo	uMsombuluko	Lesibili	Lesitsatfu	Lesine	Lesihlanu	uMgcibelo
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



Buka lekhalenda uphendvule lemibuto lelandzelako:

Lilanga lini mhla ka 1 kuNgongoni? _____

Lilanga lini mhla ka 15 ku Ngongoni? _____

Lilanga lini mhla ka 24 kuNgongoni? _____

Lilanga lini mhla ka 12 kuNgongoni? _____



Phendvula lemibuto:

Mangaki emalanga lakhona kuNgongoni? _____

Mangaki emaviki lakhona kuNgongoni? _____

Mangaki emalanga lakhona evikini? _____

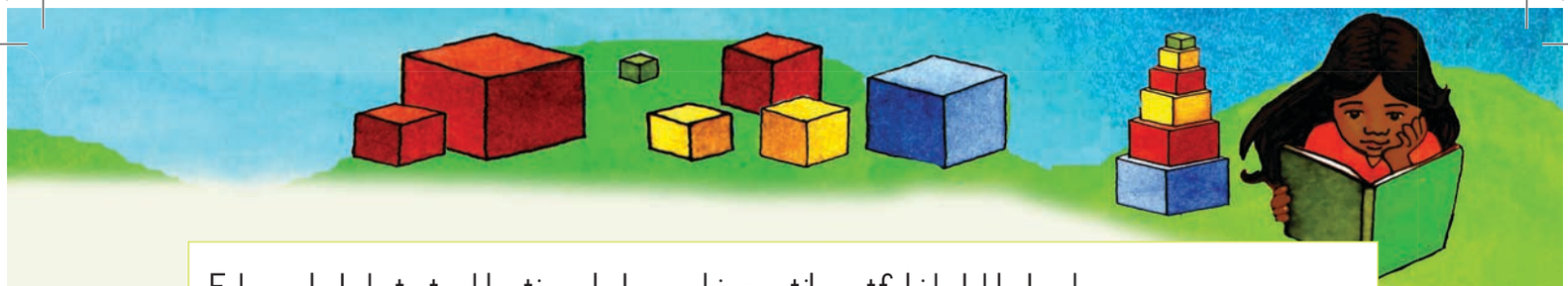
Tivala nini tikolo ngeNgongoni? _____

Kwentekani mhla ka 25 kuNgongoni? _____

Kwentekani mhla ka 31 ku Ngongoni? _____

Lilanga lini lelita emva kwemhla ka 31 kuNgongoni? _____

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Faka umbala kuto tonkhe tinombolo-mashiyana tibe mtfubi kulekhalenda.

Yini loyibonako? _____

Faka umbala kuto tonkhe tinombolo-maphahla tibe bovu kulekhalenda.

Yini loyibonako? _____



Cedzela lekhalenda. Gcwalisa lomnyaka netinsuku.

Mabasa _____

Lisontfo	uMsombuluko	Lesibili	Lesitsatfu	Lesine	Lesihlanu	uMgcibelo



Lusuku luni futsi lilanga liphi?

	Lusuku	Lilanga



Mangaki emalanga kusuka:

	kuya ku		
	kuya ku		
	kuya ku		
	kuya ku		

Teacher:
Sign:
Date:

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Emaphethini netinombolo siyachubeka

1 Chaza lephethini ebhodini letinombolo ngalinye.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200

2 Cedzela lephethini.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160
161	162	163	164	165	166	167	168	169	170
171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190
191	192	193	194	195	196	197	198	199	200



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Ngabe lena yinombolo mashiyana noma yinombolo malingana?
Biyela inombolo mashiyana noma inombolo malingana.

4 mashiyana malingana	19 mashiyana malingana	21 mashiyana malingana
26 mashiyana malingana	20 mashiyana malingana	18 mashiyana malingana

Gcwalisa lenombolo leshiyekile kucedzela lephethini lephindziwe.

33, 39, 33, ☐, 33, 39, 33, 39

96, 74, 96, 74, 96, 74, 96, ☐

38, 45, 38, 45, ☐, 45

49, 5, 46, 20, 49, 5, ☐, 20, 49, 5, 46, 20, 49, 5, 46

☐, 78, 21, 11, 78, 21, 11, 78, 21, 11

Biyela letinombolo ngembala kukusita kusombulula letibalo.

Gcwalisa lenombolo leshiyekile kucedzela lephethini lephindziwe.

55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, 63, 55, 21, 19, ☐

18, 28, 36, 18, 28, 36, 18, 28, 36, 18, 28, 36, 18, ☐

11, 76, 11, 76, 11, 76, 11, 76, ☐

60, 91, 94, 60, 91, 94, 60, 91, 94, 60, ☐

28, 47, 78, 28, 47, 78, 28, 47, 78, 28, 47, 78, 28, ☐

Teacher:
Sign:
Date:

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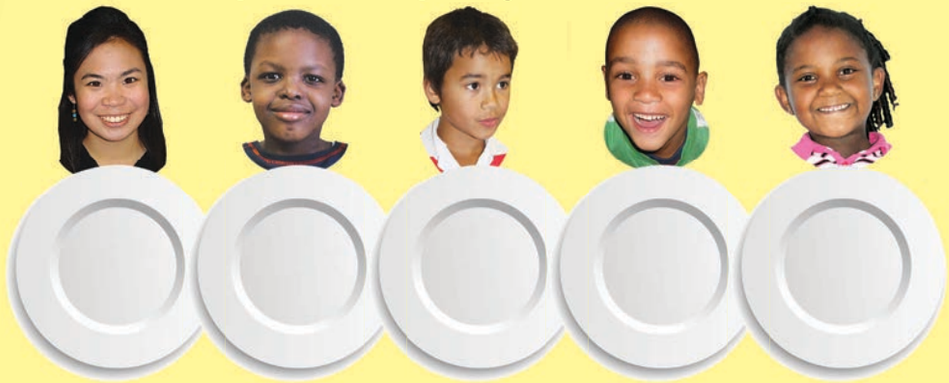
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Kwaba ngekulingana kusiyisa kumafrakishini

Lusuku:

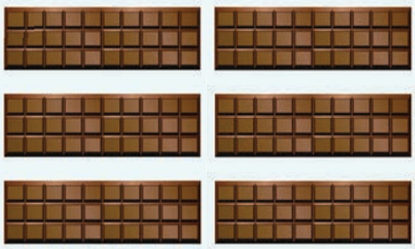


Yaba lolucebedvu lweshokholethi usho kutsi mangaki emabhuloki latawutfolwa ngumntfwana ngamunye.





Nyalo-ke yaba 6 wetincebedvu teshokholethi emkhatsini wa 3 webantfwana.





Khombisa imphendvulo yakho ngekwenta umdvwebo ngentasi.

Umntfwana ngamunye utfola incenyentsatfu yinye yeshokholethi.



Una 3 wemakhekhe. Wabe ngekulingana emkhatsini wa 4 webangani.



Khombisa imphendvulo yakho ngekwenta umdvwebo ngentasi.

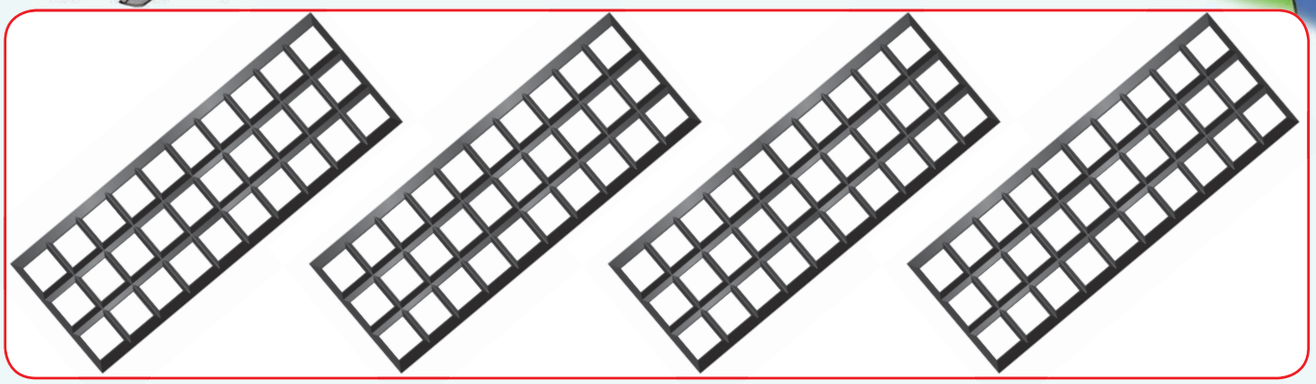
Umntfwana ngamunye utfola incenye yinye ya _____ wemakhekhe.

1 2 3 4 5 6 7 8 9 10

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Faka umbala ikota yinye yeshokholethi yonkhe kuleticebedvu letine.



Ikota yinye ingemabhuloki lamangaki eshokholethi? _____

Mangaki emabhuloki eshokholethi layincenye-sihlanu yinye? _____

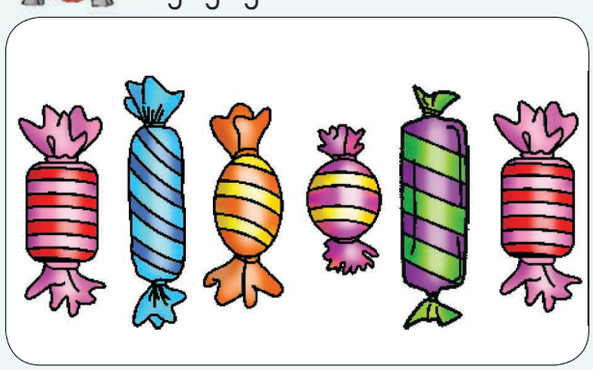
Khombisa ihhafu yinye yaloku lokulandzelako.



Khombisa incenyentsatfu yinye temaswidi.



Khombisa incenye-sitfupha yinye yemaswidi.



Yaba II wetincebedvu teshokholethi emkhatsini webangani labane kute kutsi bonkhe batfole linani lelifanako leshokholethi futsi kubete lutfo lolusalako.

Teacher:
Sign:
Date:

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Budze

Lusuku:

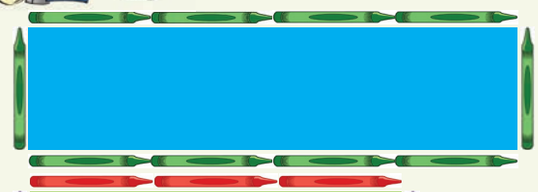
Nguliphi licala lacalandze lelilifisha kakhulu? Lelidze kakhulu?



Licala lelidze ngu _____ wemakhirayoni.

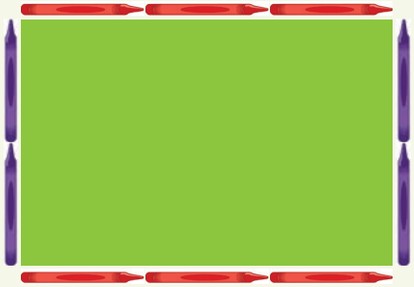
Licala lelifisha ngu _____ wemakhirayoni.

Phendvula loku lokulandzelako.



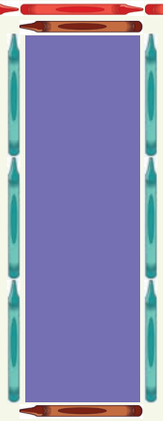
Licala lelidze ngu _____ wemakhirayoni.

Licala lelifisha ngu _____ wemakhirayoni.



Licala lelidze ngu _____ wemakhirayoni.

Licala lelifisha ngu _____ wemakhirayoni.



Licala lelidze ngu _____ wemakhirayoni.

Licala lelifisha ngu _____ wemakhirayoni.



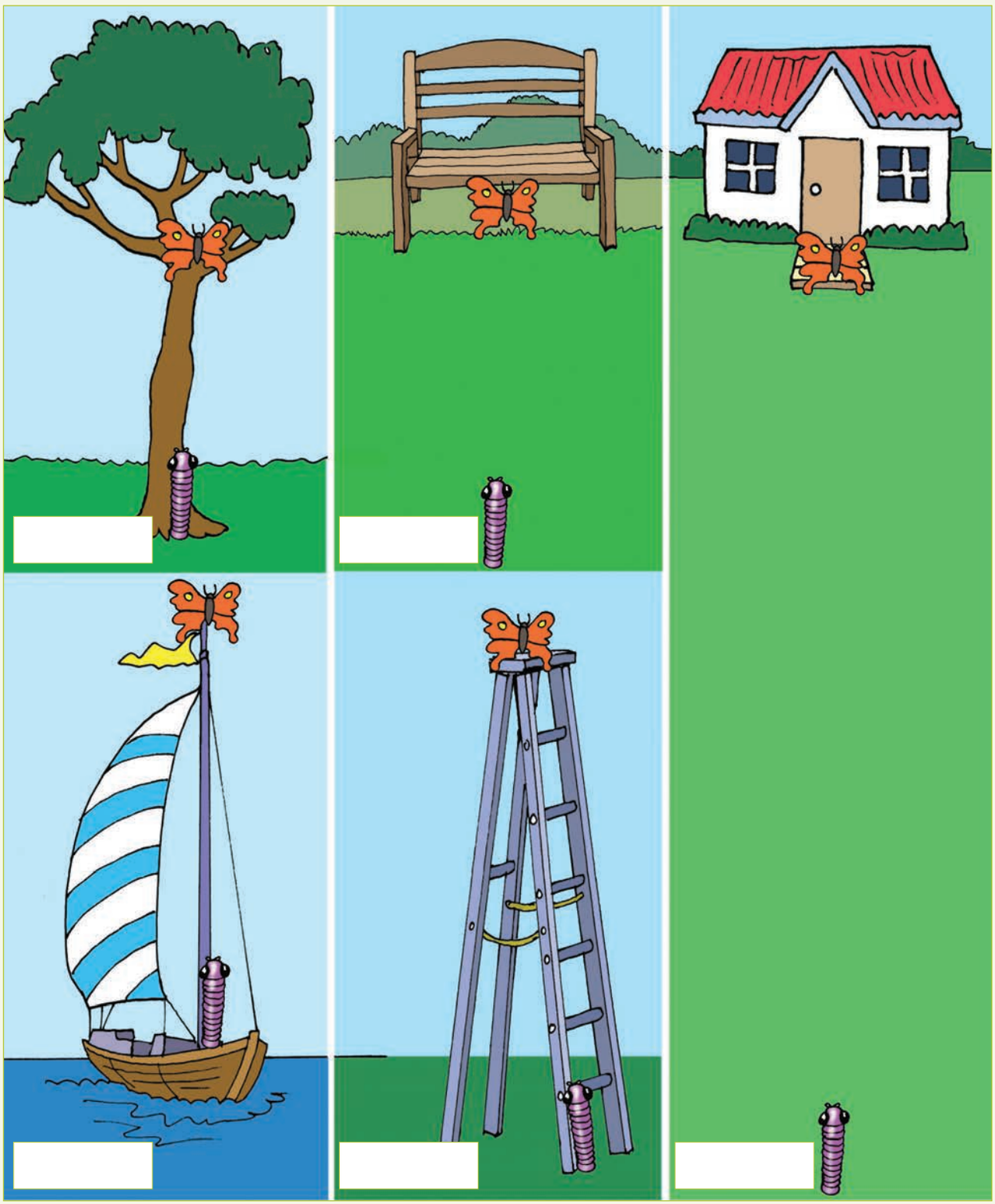
Licala lelidze ngu _____ wemakhirayoni.

Licala lelifisha ngu _____ wemakhirayoni.

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Kutawutsatsa tibungu letingaki kufika eluvivaneni?



Teacher:

Sign:

Date:

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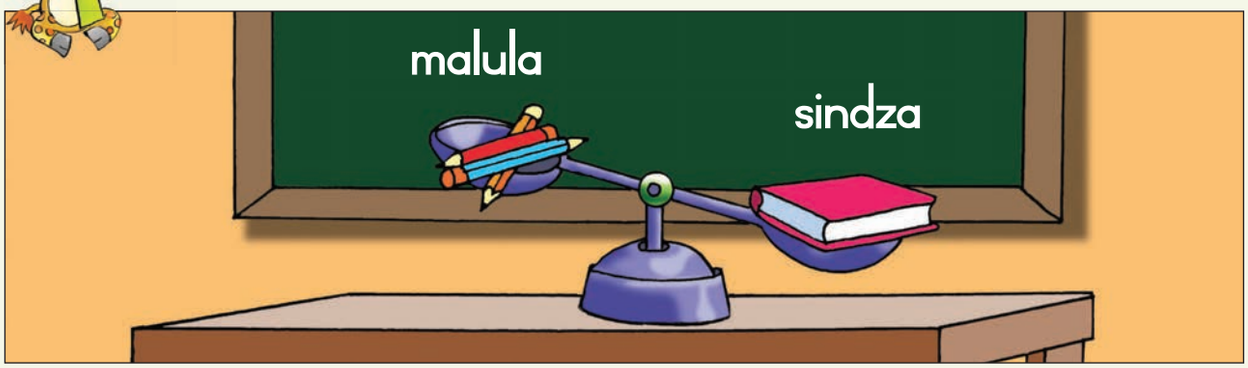
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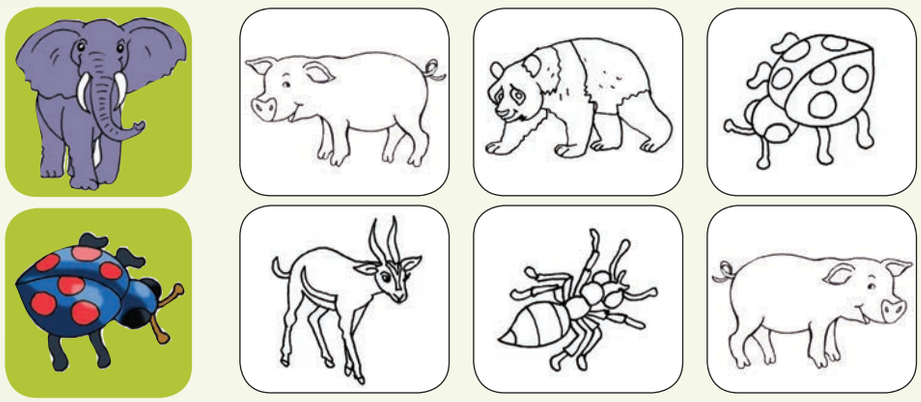
Kwesindza neBumalula siyachubeka

Lusuku:

1 Kushoni kwesindza nebumalula?



2 Faka umbala kulesitfombe noma titfombe kukhombisa tintfo letesindzako kunalena lesesibayeni lesiluhlata.



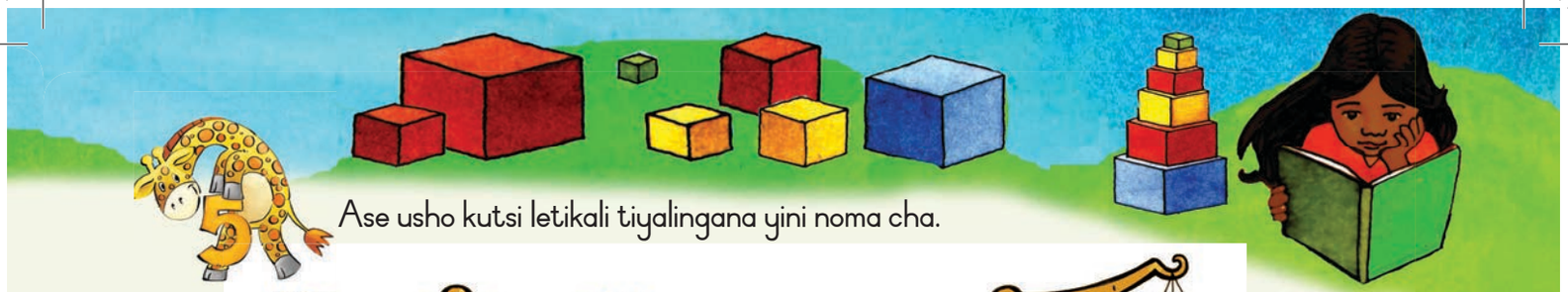
3 Buka lesitfombe. Tfola titfombe leti-2 tetintfo letimalula. Tinamatsisele lapha.



4 Buka lesitfombe. Tfola titfombe leti-2 tetintfo letesindzako. Tinamatsisele lapha.



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Ase usho kutsi letikali tiyalingana yini noma cha.

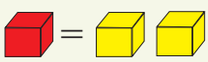


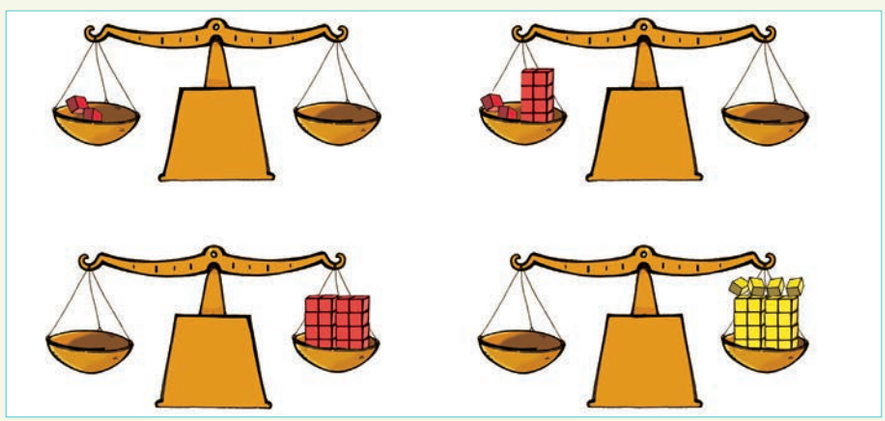
Yenta letikali tilingane. Yenta umdvwebo etikalini letite lutfo.



Dvweba imidvwebo kwenta letikali tibe liciniso.



Yenta letikali tilingane uma  .





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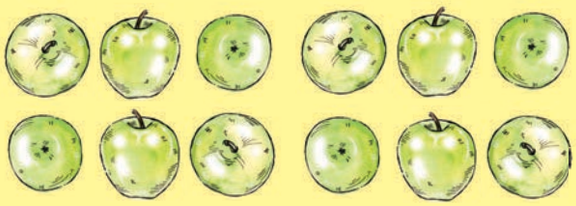




Lusuku:

Siyachubeka:
kwabelana kusiholela kumafrakishini

Yaba lamahhabhula emkhatsini webangani labatsatfu.





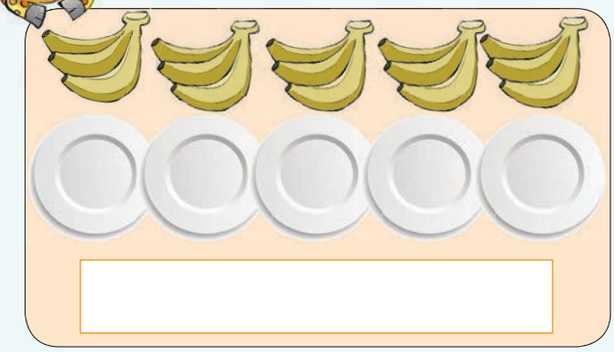
Amunye utfola mangaki emahhabhula? Mane.

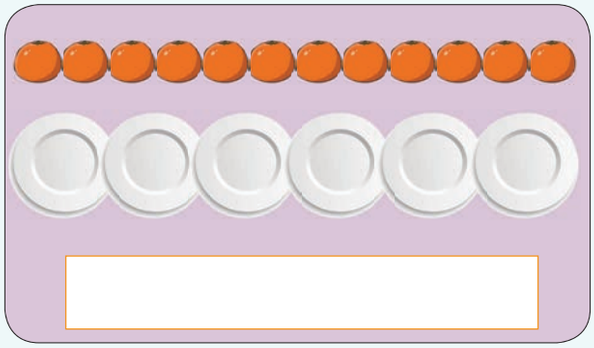
Yifrakishini (incenye) yini yemahhabhula asawonkhe letfolwe ngumuntfu ngamunye? Incenyentsatfu yinye.

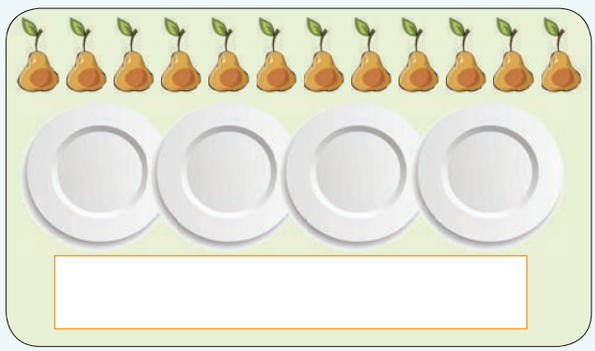


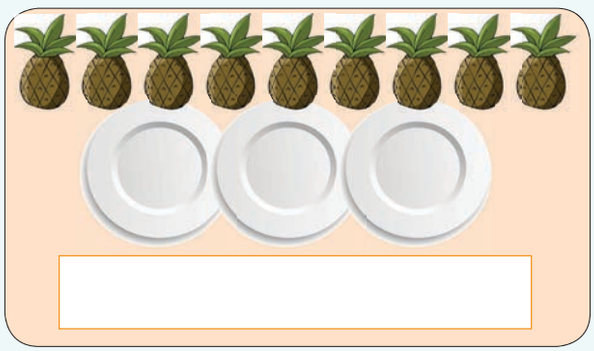
Buka lesibonelo ngetulu bese ucedzela loku lokulandzelako.

- Yaba sitselo emkhatsini wemanani lehlukene ebangani.
- Shano kutsi umngani amunye utfola frakishini yini.











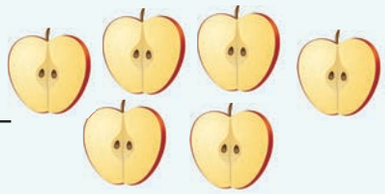
Gogo upha Gugu 12 wema-orintji. Gugu wenta ijusi ngancenyentsatfu yinye yema-orintji. Mangaki ema-orintji lawasebentisile?

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Emahhabhula lamatsatfu asikwe aba bohhafu

Bangaki bantfwana labangatfola ihhafu amunye? _____





Ema-orintji lamane  asikwe aba tincenyentsatfu.

Bangaki bantfwana labangatfola incenyentsatfu yinye ngamunye?

_____





Emahwabha lamabili  asikwe aba tincenye-sitfupha.





Bangaki bantfwana labangatfola incenye-sitfupha yinye ngamunye? _____



Umceceshi webhola yetandla upha umdlali ngamunye ihhafu yeli-orintji.

Kuna 14 webadlali. Udzinga mangaki ema-orintji?

Teacher:

Sign:

Date:

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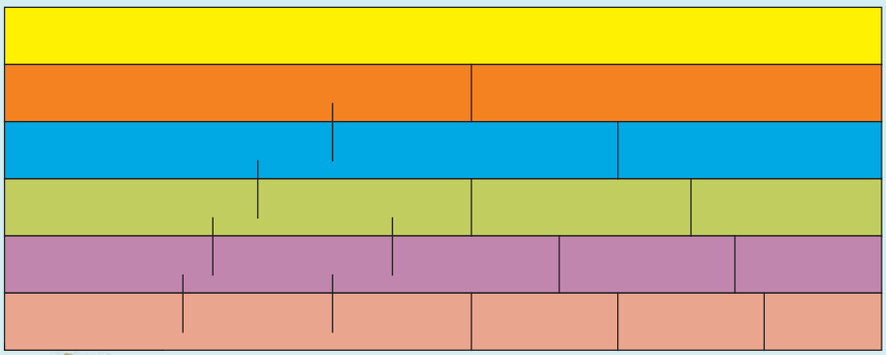




Lusuku:

Emafrakishini

Lusho kutsini lucu ngalunye? Lamagama langesancele angakusita. Condzanisa ligama nelucu.



incenyentsatfu yinye

incenye-sihlanu yinye

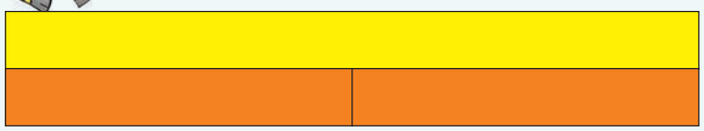
ihhafu yinye

incenye-sitfupha yinye

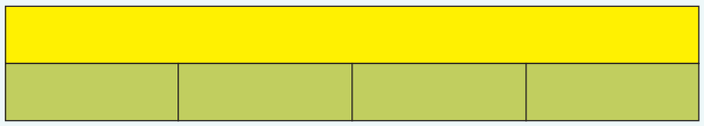
ikota yinye



Cedzela loku lokulandzelako.



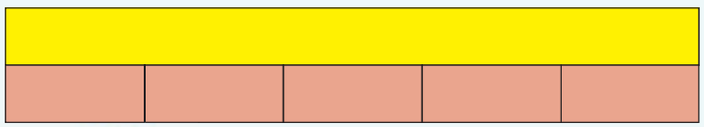
2 wabohhafu uyafana na _____ logcwele.



4 wemakota uyafana na _____ logcwele.



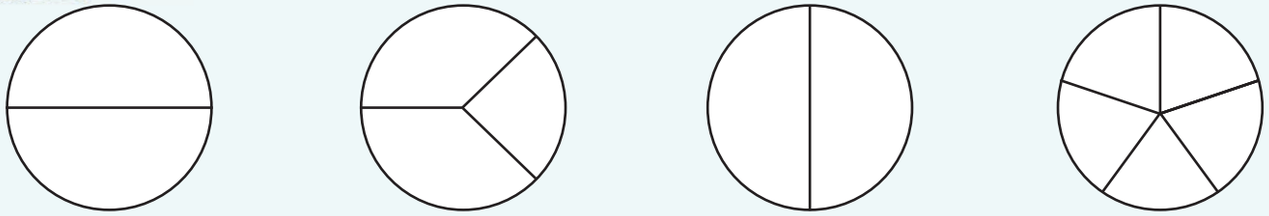
3 waboncenyentsatfu uyafana na _____ logcwele.



5 wetincenye-sihlanu uyafana na _____ logcwele.



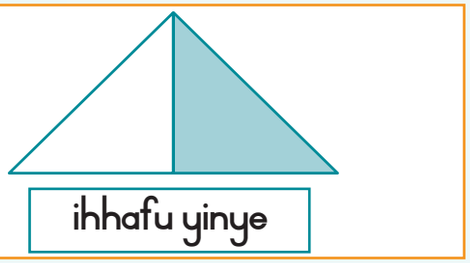
Faka umbala kuloku lokulandzelako. Yini loyicaphelako?



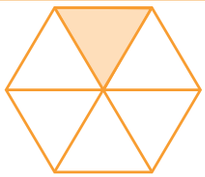
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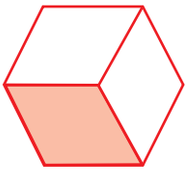
Shano kutsi yifrakishini yini yabunjwa ngamunye lehlikihliwe.
Bhala loku ngemagama.



ihhafu yinye









Dvweba bobunjwa kukhombisa loku lokulandzelako Sebentisa tikwele, bocalandze netindilinga.

incenyentsatfu yinye

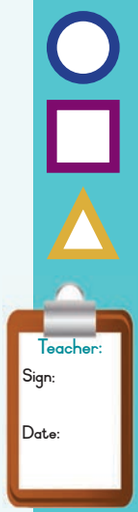
ihhafu yinye

ikota yinye

incenye sihlanu yinye

Buta make wakho noma loyo lohlala naye kutsi yini latayitsenga lenguloku:

- Ihhafu yinye yentfo:
- Incenyentsatfu yinye yentfo:
- Ikota yinye yentfo:
- Incenye-sitfupha yinye yentfo:



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Lusuku:

Siyachubeka ngemafrakishini

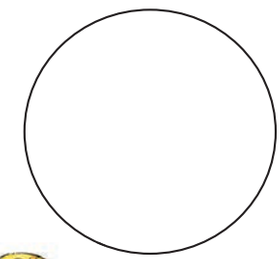
Ungatsandza lucetu lolubuya kuliphi likhekhe. Kungani?



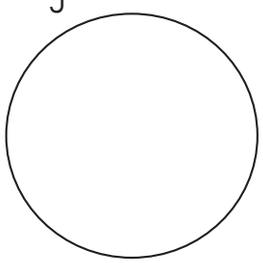


Umngani wakho ukucela kutsi wehlukanise ipitsa ibe tincetu letilinganako. Yenta umdvwebo kukhombisa ngakunye kwaloku.

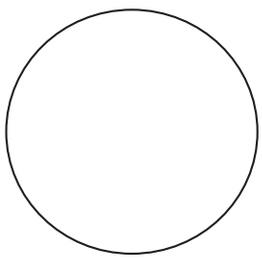
Bohhafu



Boncenyentsatfu



Emakota





Faka luphawu (✓) emphendvulweni lengiyo.

Wena nemngani wakho nidle babili bohhafu bepitsa. Kunganani lenikudlile?

- Ihhafu yinye yepitsa noma
- Ipitsa yinye legcwele?

Thabo, Sipho naJohn badle batsatfu boncenyentsatfu bepitsa. Kunganani labakudlile?

- Incenyentsatfu yinye yepitsa noma
- Ipitsa yinye legcwele?

Lindi, Susan, Lerato naPalesa badle yinye ipitsa legcwele. Kunganani labakudlile?

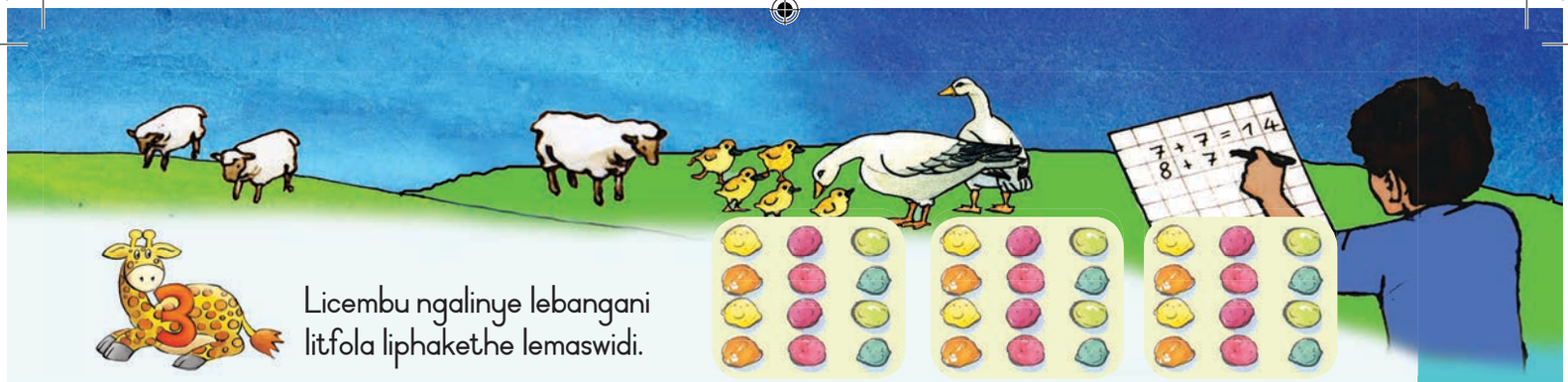
- Ikota yinye noma
- Emakota lamane?

Phendvula lemibuto lelandzelako:

- Uma ngehlukanisa ipitsa ngetincenye-sihlanu tingaki tincenye-sihlanu lokufute sitidle kute siyidle yonkhe ipitsa legcwele? _____
- Uma ngehlukanisaa likhekhe ngetincenye-sitfupha tingaki tincenye-sitfupha lokufute sitidle kute silidle lonkhe likhekhe leligcwele? _____



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Licembu ngalinye lebangani litfola liphakethe lemaswidi.

Licembu	1	2	3
Bantfwana ecenjini	2	3	4
Mangaki emaswidi latawutfolwa ngumngani ngamunye uma emaswidi abiwe ngekulingana?			
Faka luphawu (✓) ecenjini lofuna kuba kulo. Kungani?			
Mangaki emaswidi latakuba nguloku lokulandzelak? Yini loyicaphelako?	Babili bohhafu	Batsatfu boncenyentsatfu	Mane emakota



Faka umbala kumafrakishini lafanako nakunye lokugcwele.

matsatfu emakota

batsatfu boncenyentsatfu

tine tincenye-sihlanu

sihlanu setincenye-sihlanu

mabili emakota

babili bohhafu

yinye ikota

incenyentsatfu yinye

timbili tincenye-sihlanu

timbili tincenye-sihlanu

tintsatfu tincenye-sihlanu

mane emakota

ihhafu yinye

babili boncenyentsatfu

Ungatsandzani, mane emakota eshokholethi noma yinye ishokholethi legcwele? Kungani?

Teacher:
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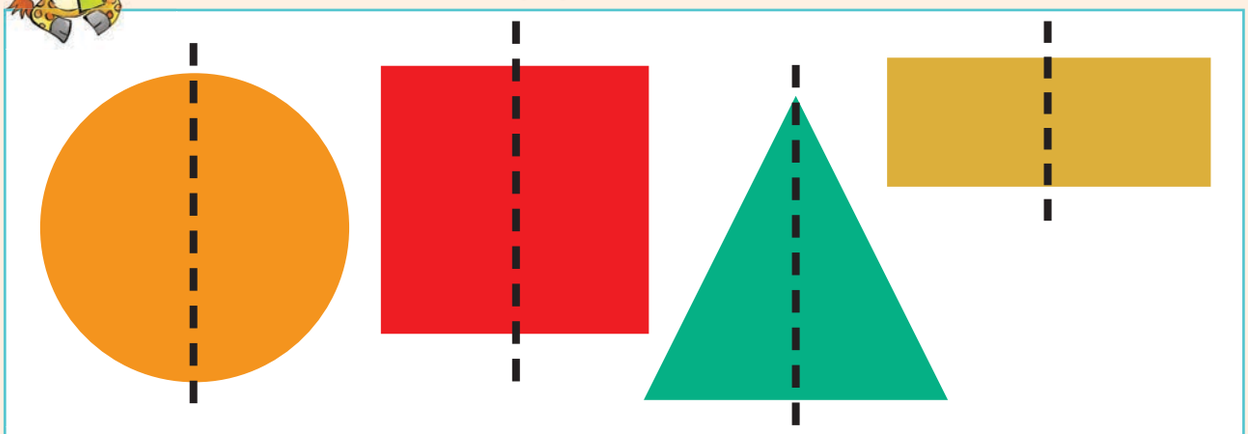




Umugca – sibuko nabobunjwa

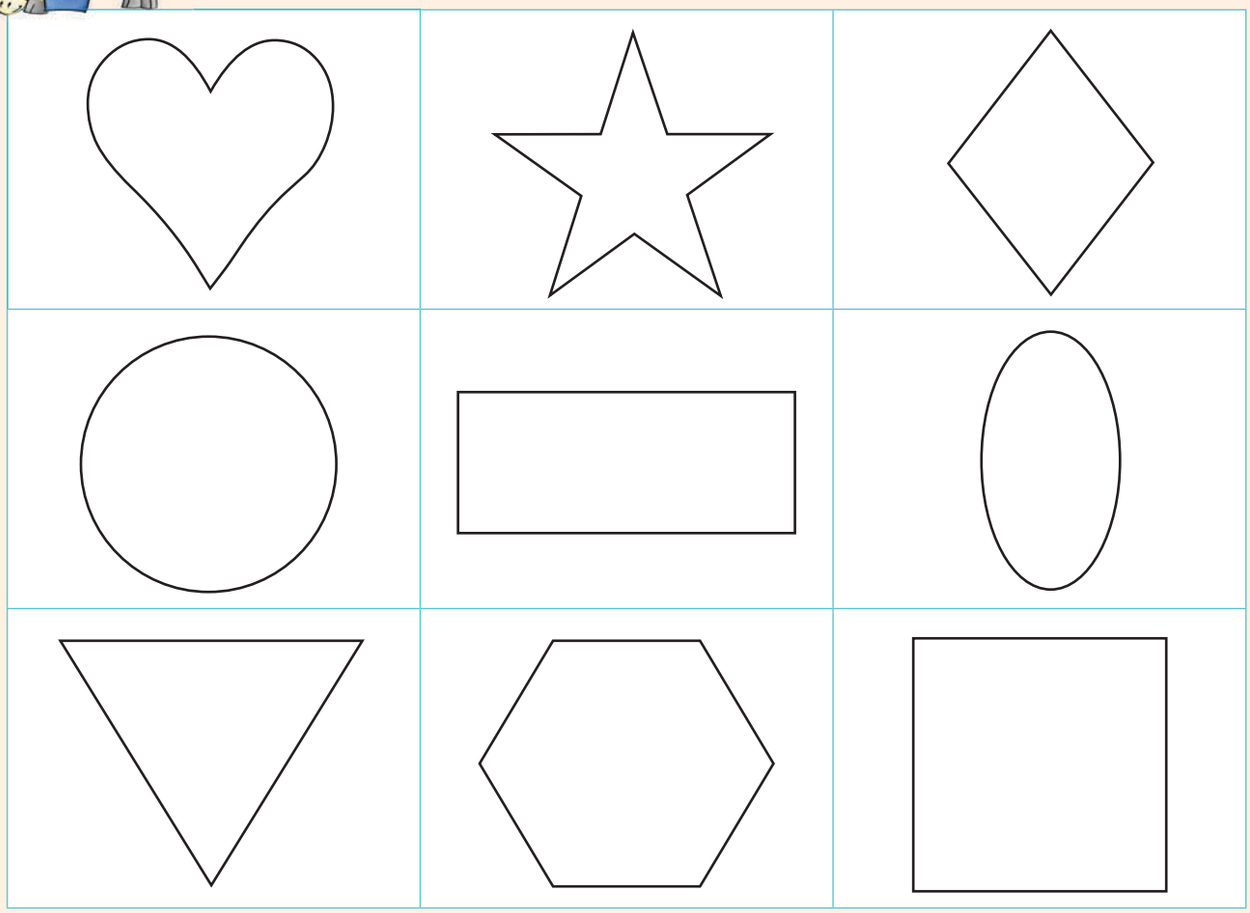


Buka letitfombe tabobunjwa. Ngabe licala linye labunjwa libukeka lifana nalela lelinye licala? Ngabe asibuko salelinye yini?





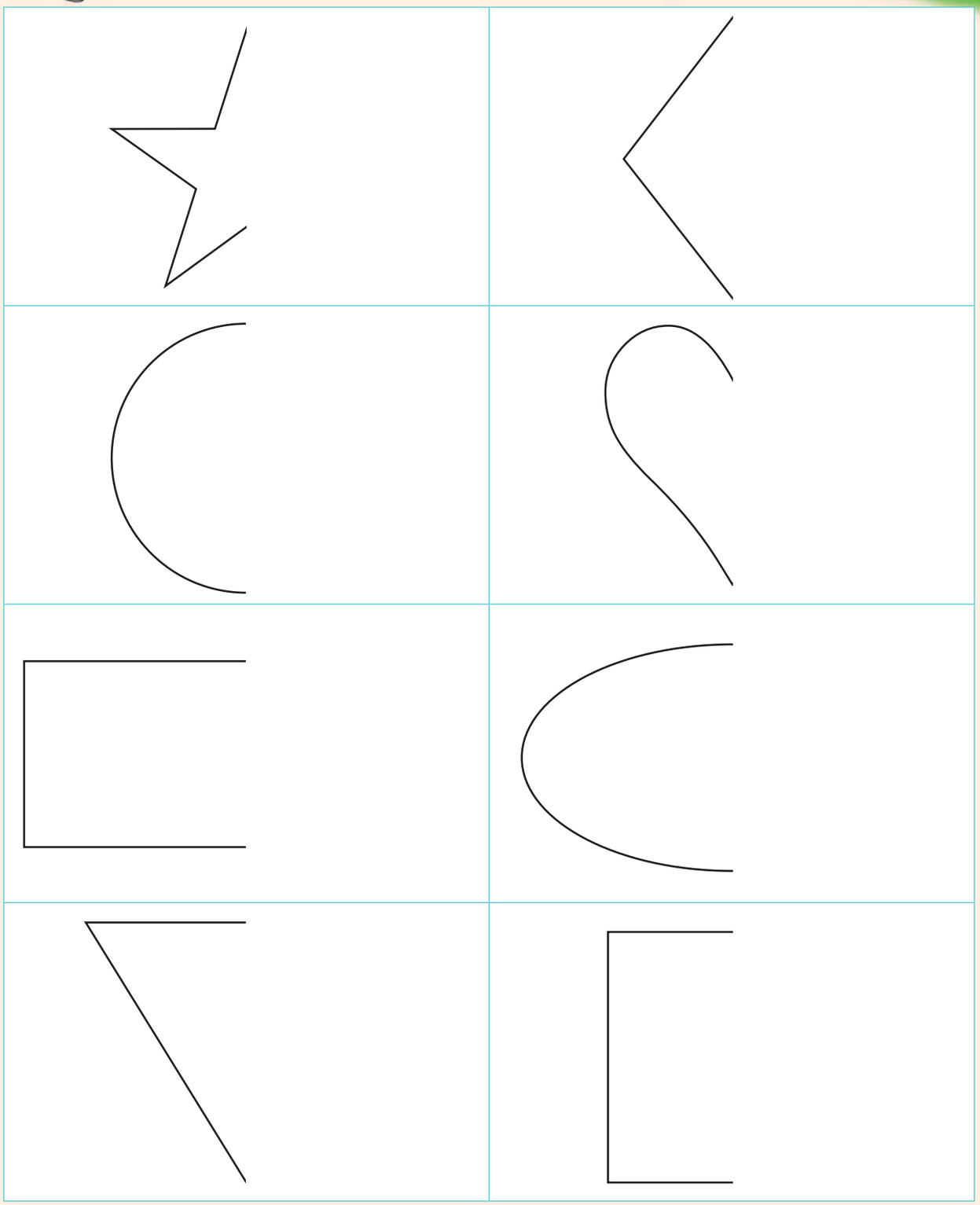
Dvweba umugca khona licala linye labunjwa libukeke lifana ncwe nalela lelinye licala.



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Dvweba lela lelinye licala labunjwa.



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Date:

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Emareyi nemafrakishini

Lusuku:

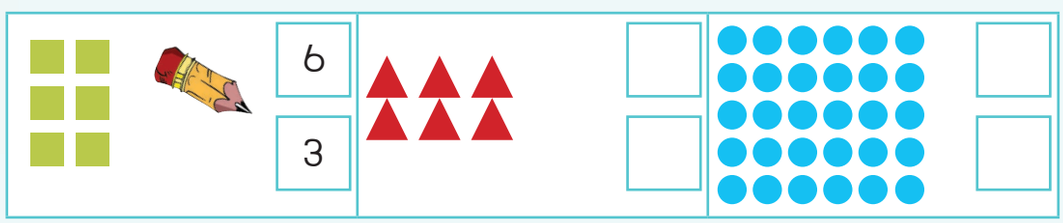
Niketa bafundzi letitfombe letilandzelako. Babute kutsi bangatibala masinyane kanganani letintfo leti.



Uwasebentise njani emahele netinhla kukusita?

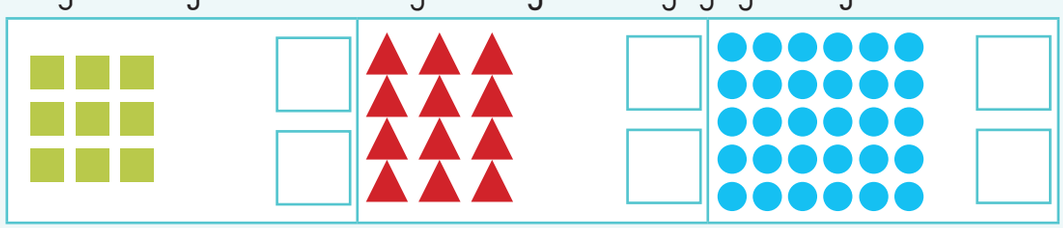


Bangaki bobunjwa labakhona? Iyini **ihhafu** yinye yalabobunjwa?



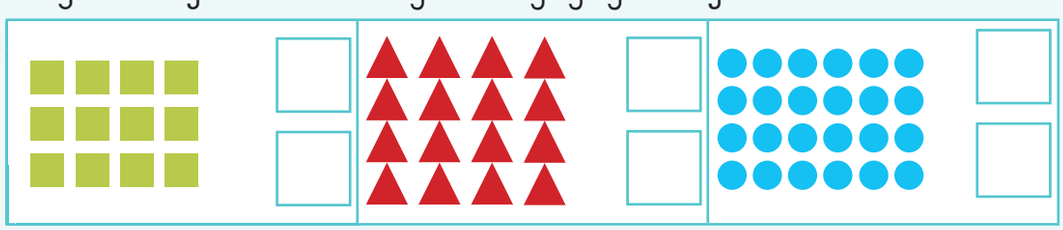


Bangaki bobunjwa labakhona? Iyini **incenyentsatfu** yinye yabobunjwa?



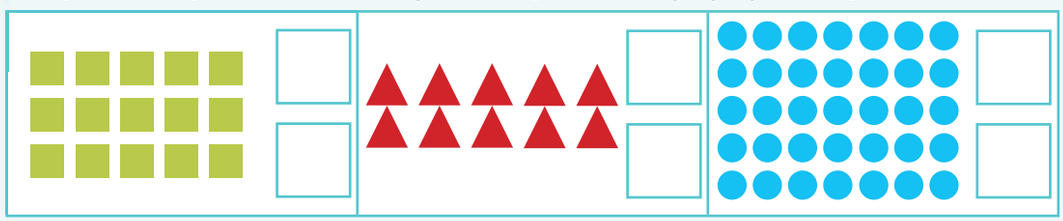


Bangaki bobunjwa labakhona? Iyini **ikota** yinye yabobunjwa?



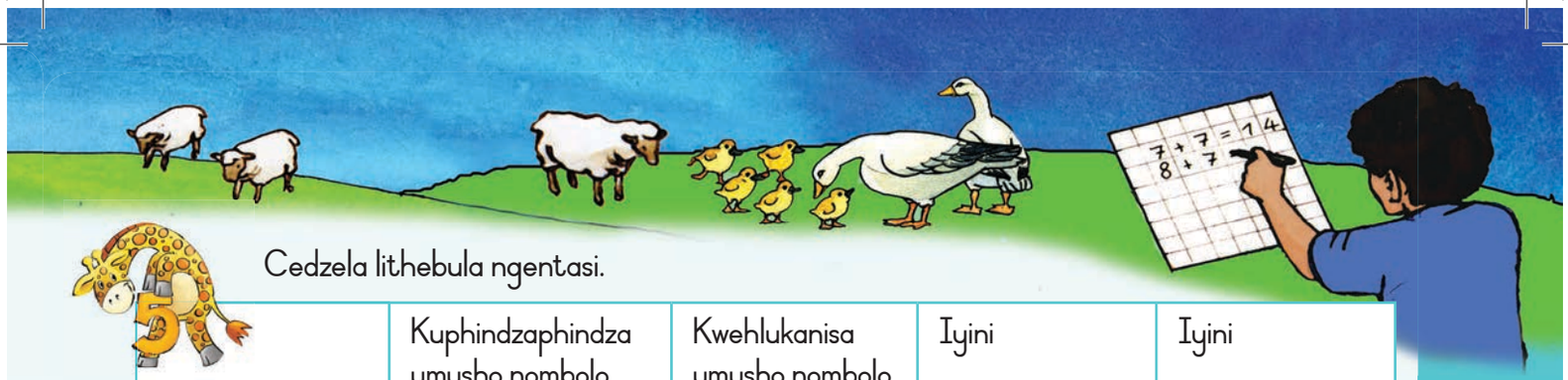


Bangaki bobunjwa labakhona? Iyini **incenye-sihlanu** yinye yabobunjwa?

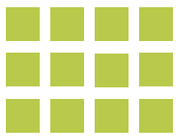
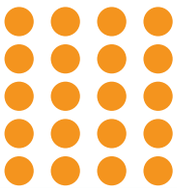


1 2 3 4 5 6 7 8 9 10

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Cedzela lithebula ngentasi.

	Kuphindzaphindza umusho nombolo	Kwehlukanisa umusho nombolo	Iyini	Iyini
	2 x 3 = 6 noma 3 x 2 = 6	6 ÷ 2 = 3 noma 6 ÷ 3 = 2	ihhafu yinye yaletintfo? 3	incenyentsatfu yinye yaletintfo? 2
			incenyentsatfu yinye yaletintfo?	ikota yinye yaletintfo?
			ikota yinye yetintfo?	incenye-sihlanu yinye yaletintfo?

Sebentisa butjoki kukhombisa:

Ikota yinye ya 12 wemaswidi.	Incenyentsatfu yinye ya 12 wemaswidi.	Ihhafu yinye ya 12 wemaswidi.

Make ubhake 24 wemakhekhana abhakela umkhakha ngamunye waletindzawo letilandzelako.
Loku ngulabaku-odile: Sebentisa letitfombe temakhekhana kukukhombisa indlela.

ihhafu yinye strobheri bese lokusele kuba yivanila	ikota yinye ishokholethi bese lokusele kuba yivanila	incenyentsatfu yinye ikharameli bese lokusele kuba yivanila
		

Teacher:
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Date:

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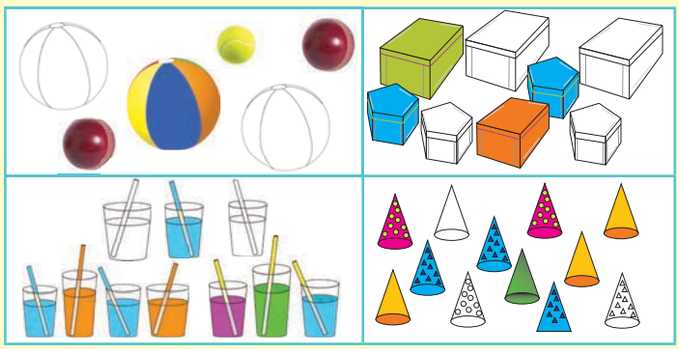
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Ifrakishini yesicumbi setintfo

Lusuku:

Buka letinchazelo bese uticatsanisa naletitfombe kukhombisa kutsi yifrakishini yini yaletintfo lefakwe umbala. Cocani ngako.

- I ihhafu yesicumbi setintfo
- I incenyentsatfu yesicumbi setintfo
- I ikota yesicumbi setintfo
- I incenye-sihlanu yesicumbi setintfo

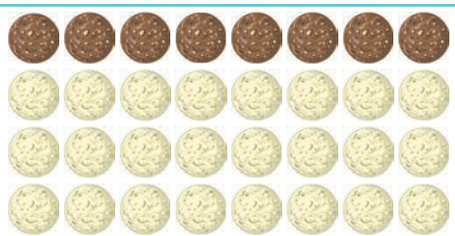




Yakha wakakho umusho ngaletitfombe letingentasi. Udzinga kufaka emagama emafrakishini emishweni yakho.









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Sombulula letibalo-magama. Make bekanendali yetintfo letinyenti ...

Bekana 15 wetikipa. Utsengise 5. Utsengise ifrakishini yini? Dvwebela umbuto. Ngutiphi tinombolo-nsika? _____ Dvweba sitfombe kukhombisa imphendvulo yakho.	**Bekana 18 emajezi. Utsengise 9. Utsengise ifrakishini yini?** Dvwebela umbuto. Ngutiphi tinombolo-nsika? _____ Dvweba sitfombe kukhombisa imphendvulo yakho.
Bekana 12 tiketi. Utsengise 3. Utsengise ifrakishini yini? Dvwebela umbuto. Ngutiphi tinombolo-nsika? _____ Dvweba sitfombe kukhombisa imphendvulo yakho.	**Bekana 20 emabhantji. Utsengise 4. Utsengise ifrakishini yini?** Dvwebela umbuto. Ngutiphi tinombolo-nsika? _____ Dvweba sitfombe kukhombisa imphendvulo yakho.



Yifrakishini yini yemakhekhana lenongwe ngetulu ngashukela wabhanana?

☐ Westrobheri? ☐ Webhabuli-gamu? ☐



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Date:

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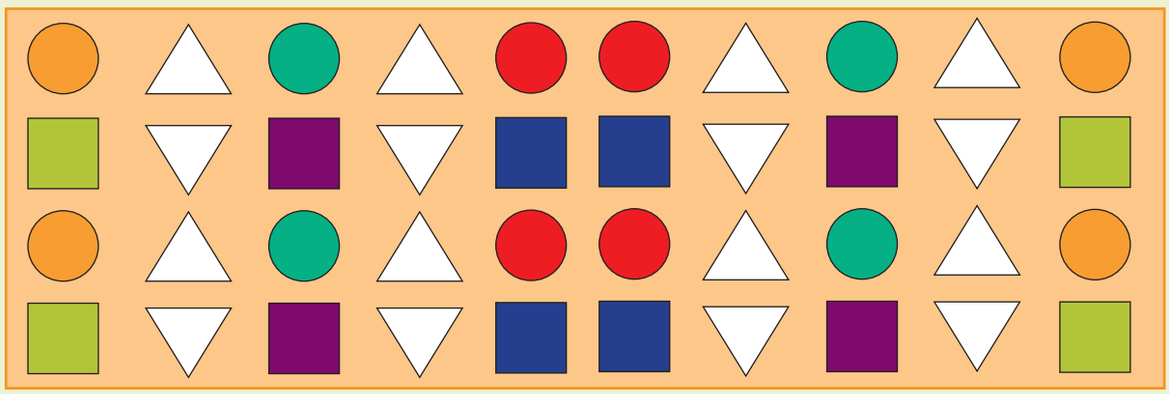


Lusuku:

Umugca – sibuko kumaphethini

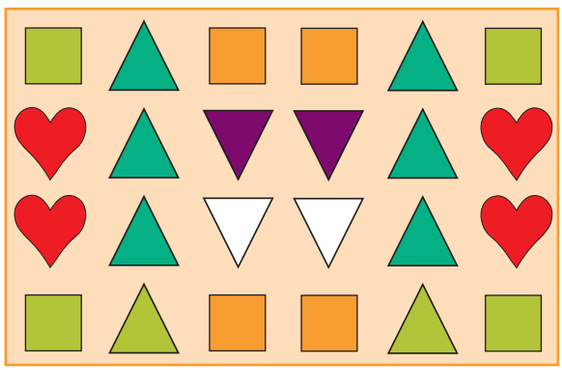


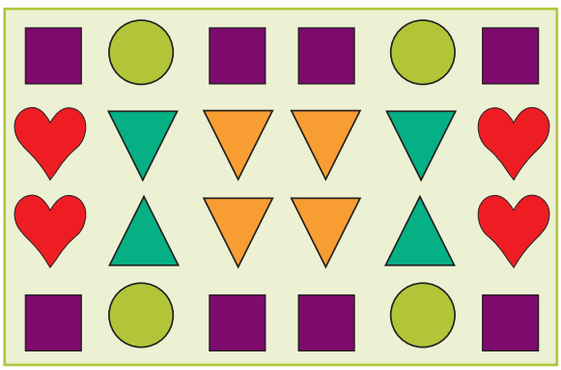
Buka letitfombe kulengubo leticephu-ticephu. Yini loyibonako?

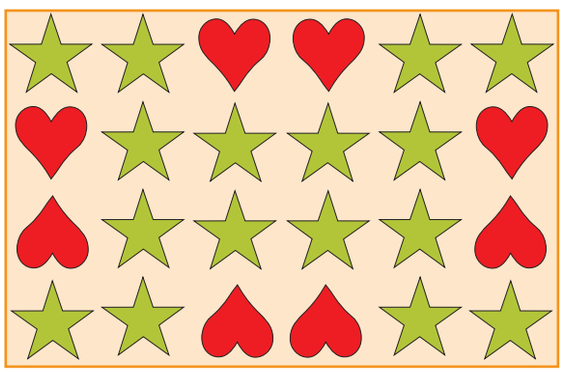


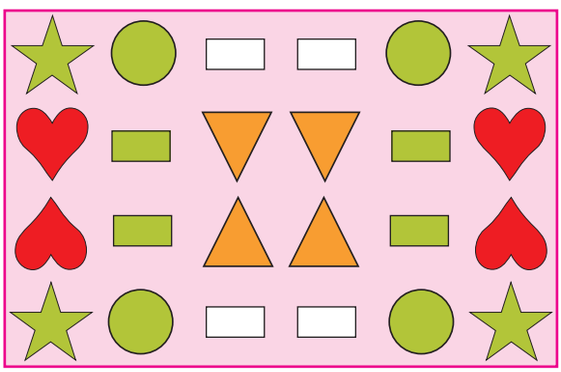


Dvweba imigca khona licala ngalinye laleticephu libukeke lifana ncwe nalela lelinye licala.





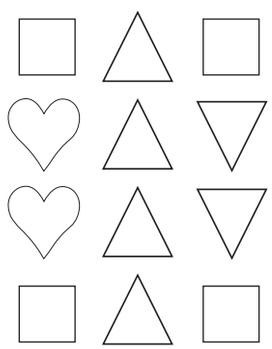


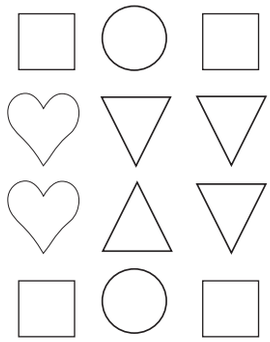


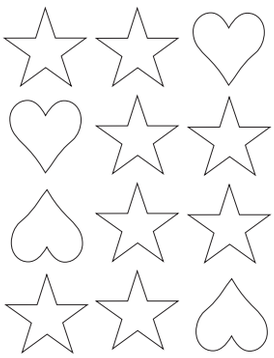
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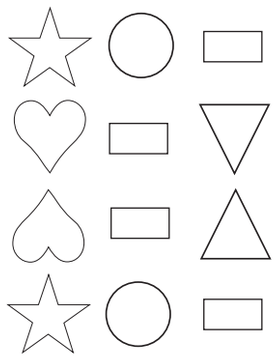


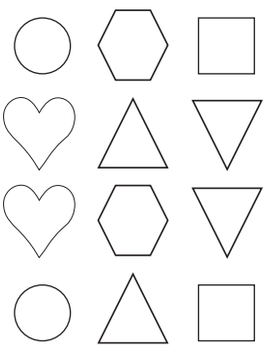
Dvweba lela lelinye licala lesicephu ngasinye.
Tifake umbala.

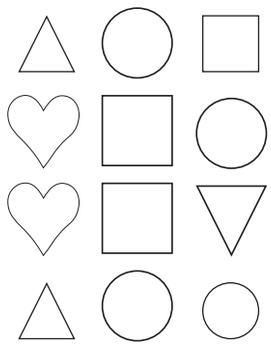












Teacher:
Sign:
Date:

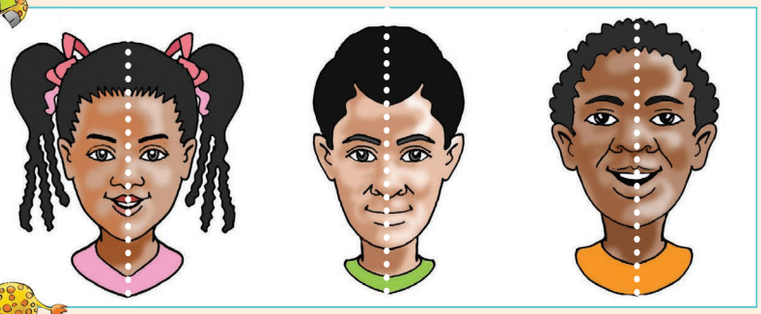
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Lusuku

Umugca-sibuko siyachubeka

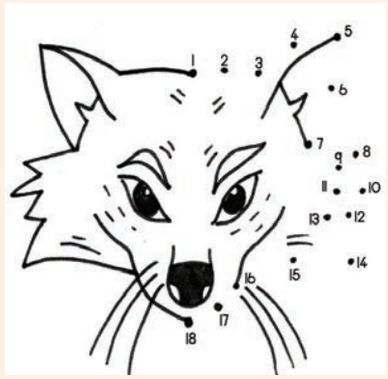
Buka letitfombe tebuso.
Ngabe lencenye lenye yebuso iyafana yini nangale kulelinye licala?

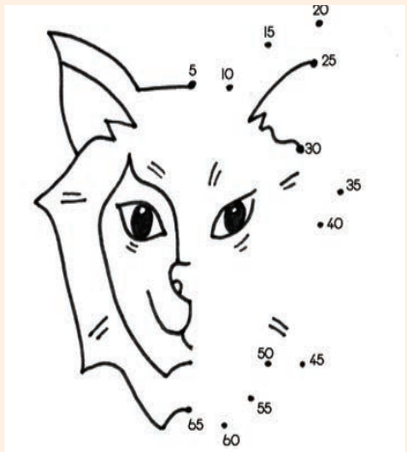


Dvweba umugca khona lelicala lebuso litowubukeka lifana ncwe nangale kulelinye licala.

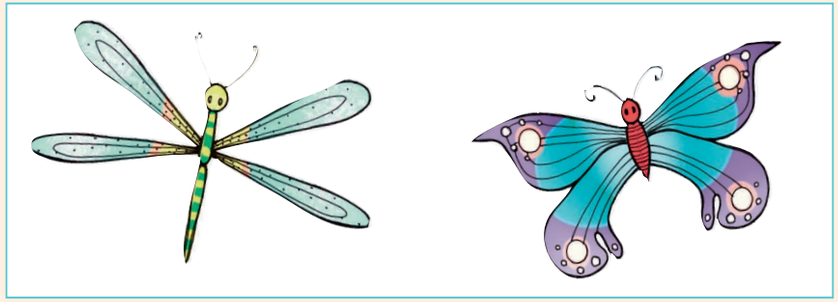


Dvweba lela lelinye licala lebuso.
Lephethini yetinombolo itakusita.

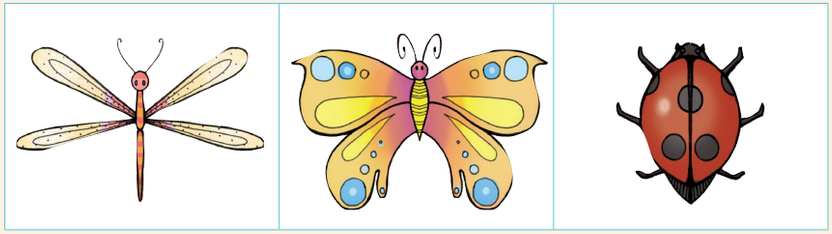




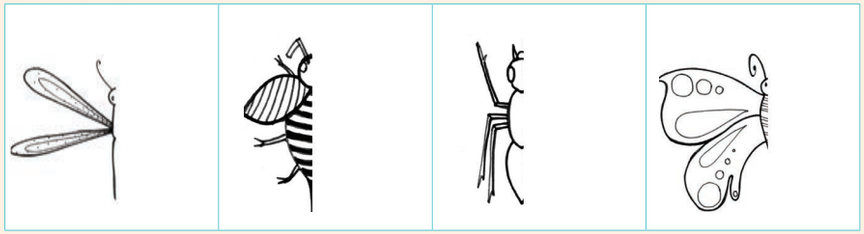
Buka letitfombe tabobunjwa. Ngabe licala linye lesilokatana libukeka lifana yini nalela lelinye licala?



Dvweba umugca khona licala linye lesilokatana libukeke lifana ncwe nalela lelinye licala.



Dvweba lela lelinye licala letilokatana.



Teacher:
Sign:
Date:

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